

## HSG - 1768000 - Integrated Real Estate Management System (IREMS)

### INITIATIVE DEFINITION BY08

#### Initiative Definition BY08

Template Name	IT Investment BY2008
Investment Name	HSG - 1768000 - Integrated Real Estate Management System (IREMS)
Investment Revision Number	5
Is this investment a consolidated business case?	No
Point of Contact	Chan, Winfred G
Revision Comment	
Class	IT

### I.A: OVERVIEW BY08

#### Descriptive Information BY08

Date of Submission	9/11/2006
Agency	Department of Housing and Urban Development
Bureau	Housing Programs
Name of this Capital Asset	HSG - 1768000 - Integrated Real Estate Management System (IREMS)
Full UPI Code	025-09-01-02-01-1060-00
Four Digit UPI Code	1060
Two Digit UPI Code	00
Exhibit 53 Part	IT Investments by Mission Area
OMB Investment Type	01 - Major Investment
OMB Exhibit 53 Major Mission Area	02 - Multifamily Housing Finance
PY Full UPI Code	025-00-01-02-01-1040-00-404-142
What kind of investment will this be in this Budget Year?	Mixed Life Cycle
If this investment supports homeland security, Indicate by corresponding number which homeland security mission area(s) this investment supports?	
OMB Short Description	The Integrated Real Estate Management System (IREMS) consolidates the following investments supporting the Multifamily Housing Finance line of business: APPS/F24P, DAP/F24A, M2M/F24B, MDDR/P057, MFHI, Neighborhood Networks/P145, OPIIS/P220 and REMS/F24D.
Investment C&A Status	55 - All of the systems within this investment have been through a C&A Process and have been granted Full Authority to Operate

#### Screening Questions BY08

What was the first budget year this investment was submitted to OMB?	FY2008
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:	
<p>This investment supports the Multifamily (MF) Finance LOB defined by the Department's EA &amp; Business and IT Modernization Roadmap (Vision 2010). The primary mission of the Office of MF Housing is to support the production and preservation of affordable rental housing. In carrying out this mission, we rely on 3 primary types of assistance: (1) capital advances to support the production of housing targeted to the elderly and disabled, (2) mortgage insurance to encourage the flow of capital to finance the construction and ownership of rental housing projects, and (3) direct rental assistance payments to projects that serve very-low income households. We also administer a number of programs aimed at improving the quality of life of our residents. In FY 07 &amp; 08, the Office of MF Housing will use \$5.6 and \$6.3 million respectively for the following categories of O&amp;M activities: processing a wide variety of applications for grants, capital advances and mortgage insurance; underwriting mortgage loans and monitoring project construction; evaluating performance, compliance and risk potential of approximately 30,000 rental housing projects throughout the country; and administering rental subsidy payments for roughly two-thirds of these projects. As evidenced by various performance measures, our focus is on stimulating production, preserving the existing affordable stock, assuring that our projects are well maintained and financially sound, and ensuring federal funds are used for the intended beneficiaries and</p>	

managed efficiently. MF Housing is committed to developing an integrated approach to addressing its core business functions, independent of organization and program category. This submission focuses on the systems that directly affect mortgage finance and overall property management, we intend to seek solutions that will benefit the Rental Housing Assistance area, as well as other programs and organizations throughout the department. In FY 07 & 08, \$5.1 and \$10 million respectively will be used for modernization and integration of 8 MF Housing systems which provide the services listed above and provide vital enhancements to these programs. These systems are: Real Estate Management System (REMS); Active Partners Performance System (APPS); Development Application Processing (DAP); Mark-to-Market (M2M); MF Delinquency & Default Reporting (MDDR); On-line Property Integrated Information System (OPIIS); Network Neighborhoods (NN), & database integration (MFHI Project).

Did the Agency's Executive/Investment Committee approve this request?	Yes
If "yes," what was the date of this approval?	7/12/2006
Did the Project Manager review this Exhibit?	Yes
Contact information of Project Manager?	

Project Manager Name  
Chan, Winfred

Project Manager Phone Number	(202) 708-0614 x4751
Project Manager E-mail	Winfred_G._Chan@hud.gov
Has the agency developed and/or promoted cost effective, energy efficient and environmentally sustainable techniques or practices for this project.	No
Will this investment include electronic assets (including computers)?	Yes
Is this investment for new construction or major retrofit of a Federal building or facility? (answer applicable to non-IT assets only)	No
If "yes," is an ESPC or UESC being used to help fund this investment?	
If "yes," will this investment meet sustainable design principles?	
If "yes," is it designed to be 30% more energy efficient than relevant code?	
Does this investment directly support one of the PMA initiatives?	Yes
If "yes," check all of the PMA initiatives that apply:	Housing and Urban Development Management and Performance
Does this investment support a program assessed using the Program Assessment Rating Tool (PART)? (For more information about the PART, visit <a href="http://www.whitehouse.gov/omb/part">www.whitehouse.gov/omb/part</a> .)	No
Does this investment address a weakness found during the PART Review?	
If "yes," what is the name of the PARTed program?	
If "yes," what PART rating did it receive?	
Is this investment for information technology?	Yes
Briefly describe how this asset directly supports the identified initiative(s)?	This investment supports the production and preservation of affordable rental housing - the primary mission of the Department of Housing and Urban Development's Office of Multifamily Housing Programs.

*IT Screening Questions BY08*

If the answer to Question: "Is this investment for information technology?" was "Yes," complete this sub-section. If the answer is "No," do not answer this sub-section.

What is the level of the IT Project? (per CIO Council PM Guidance)	Level 3
What project management qualifications does the Project Manager have? (per CIO Council's PM Guidance):	(1) Project manager has been validated as qualified for this investment
Is this investment identified as "high risk" on the Q4 - FY 2006 agency high risk report (per OMB's "high risk" memo)?	No
Is this a financial management system?	No
If "yes", does this investment address a FFMIA compliance area?	

If "yes," which FFIA compliance area?  
 If "no," what does it address?  
 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

Provide the Percentage Financial Management for the budget year 4.338000  
 What is the percentage breakout for the total FY2008 funding request for the following? (This should total 100%) 100.000000  
 For budget year, what percentage of the total investment is for hardware? 1.800000  
 For budget year, what percentage of the total investment is for software? 1.600000  
 For budget year, what percentage of the total investment is for services? 96.600000  
 For budget year, what percentage of the total investment is for other services?  
 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  
 Contact information of individual responsible for privacy related questions:

Privacy Officer Name  
 Smith, Jeanette  
 Privacy Officer Phone Number 202-708-2374 X8062  
 Privacy Officer Title Departmental Privacy Act Officer, Office of the Chief Information Officer  
 Privacy Officer E-mail Jeanette\_Smith@hud.gov  
 Are the records produced by this investment appropriately scheduled with the National Archives and Records Administration's approval? No

**I.B: SUMMARY OF SPENDING BY08**

*Summary of Spending BY08*

Provide the total estimated life-cycle cost for this investment by completing the following table. All amounts represent budget authority in millions, and are rounded to three decimal places. Federal personnel costs should be included only in the row designated "Government FTE Cost," and should be excluded from the amounts shown for "Planning," "Full Acquisition," and "Operation/Maintenance." The "TOTAL" estimated annual cost of the investment is the sum of costs for "Planning," "Full Acquisition," and "Operation/Maintenance." For Federal buildings and facilities, life-cycle costs should include long term energy, environmental, decommissioning, and/or restoration costs. The costs associated with the entire life-cycle of the investment should be included in this report.

SUMMARY OF SPENDING FOR PROJECT STAGES

\* Costs in thousands

	PY - 1 and Earlier	PY 2006	CY 2007	BY 2008	BY + 1 2009	BY + 2 2010	BY + 3 2011	BY + 4 and Beyond	Total
<b>Planning</b>									
Budgetary Resources	5856.39	50	2236.83	2256.861					
Outlays	0	0	0	0					
<b>A. Project Initiation/Planning</b>									
Budgetary Resources	2030.5	50	557.95	524.275					
Outlays	0	0	0	0					
<b>B. Requirements Definition</b>									
Budgetary Resources	2625.6	0	643	635.248					

	PY - 1 and Earlier	PY 2006	CY 2007	BY 2008	BY + 1 2009	BY + 2 2010	BY + 3 2011	BY + 4 and Beyond	Total
Outlays	0	0	0	0					
<b>C. System Design</b>									
Budgetary Resources	1200.29	0	1035.88	1097.338					
Outlays	0	0	0	0					
<b>Acquisition</b>									
Budgetary Resources	6091.43	450	2863.174	5525.953					
Outlays	0	0	0	2800					
<b>D. Software Acquisition</b>									
Budgetary Resources	245	0	207.33	150.932					
Outlays	0	0	0	0					
<b>E. Hardware/Infrastructure Acquisition</b>									
Budgetary Resources	20	0	0	0					
Outlays	0	0	0	0					
<b>F. New Development/Perfective Maintenance</b>									
Budgetary Resources	3070.8	400	1895.09	4357.525					
Outlays	0	0	0	2800					
<b>G. Systems Integration &amp; Testing</b>									
Budgetary Resources	1790.4	25	477.255	746.143					
Outlays	0	0	0	0					
<b>H. Installation &amp; Deployment</b>									
Budgetary Resources	965.23	25	283.499	271.353					
Outlays	0	0	0	0					
<b>Subtotal Planning &amp; Acquisition</b>									
Budgetary Resources	11947.82	500	5100.004	7782.814					
Outlays	0	0	0	2800					
<b>Operations &amp; Maintenance</b>									
Budgetary Resources	7037.59	4878.703	5599.796	6600					
Outlays	0	0	567	596					
<b>I. Systems Operation</b>									
Budgetary Resources	2886.29	2478.703	2183.922	2574					
Outlays	0	0	189	199					
<b>J. Corrective &amp; Adaptive Maintenance</b>									
Budgetary Resources	4151.3	2400	3415.874	4026					
Outlays	0	0	378	397					
<b>TOTAL</b>									
Budgetary Resources	18985.41	5378.703	10699.8	14382.814					
Outlays	0	0	567	3396					
<b>Government FTE Costs</b>									
Budgetary Resources	1389.25	801.947	1118.342	1317.086					



Capital Fund: 025-35-4586-0 On Ex.53: Yes	SS	0	0	2000	1336.9	2095.7	1605	5681.703	6402.8	7680								
	Total	0	0	4945	1336.9	11098.5	1605	6181.703	11502.8	17730								
	DME	0	0	2945	0	9002.8	0	500	5100	10050								
Total Yearly Budgets	SS	0	0	2000	1336.9	2095.7	1605	5681.703	6402.8	7680								
	Total	0	0	4945	1336.9	11098.5	1605	6181.703	11502.8	17730								

**I.C: ACQUISITION/CONTRACT STRATEGY BY08**

**Contract/Task Order Table BY08**

Complete the table for all (including all non-Federal) contracts and/or task orders currently in place or planned for this investment. Total Value should include all option years for each contract. Contracts and/or task orders completed do not need to be included.

Contract/Task Orders Table

Row Number	Contract or Task Order Number	Type of Contract/ Task Order	Has the contract been awarded?	If so what is the date of the award? If not, what is the planned award date?	Start date of Contract/ Task Order	End date of Contract/ Task Order	Total Value of Contract/ Task Order	Is this an Interagency Acquisition?	Is it performance based?	Competitively awarded?	What, if any, alternative financing option is being used?	Is EVM in the contract?	Does the contract include the required security and privacy clauses?	Name of CO	CO Contact information (phone/email)	Contracting Officer Certification Level	If N/A, has the agency determined the CO assigned has the competencies and skills necessary to support this acquisition?
1	T012	FFP	Yes	3/22/2006	3/22/2006	10/22/2006	296618	No	Yes	No	NA	No	Yes	Glymph, Kelvin	Kelvin_X_Glymph@hud.gov	N/A	Yes
2	NEW CONTRACT TBD	FFP, BPA	No	10/1/2007	10/1/2007	9/30/2010	6000000	No	Yes	Yes	NA	Yes	Yes	TBD		N/A	Yes
3	NEW TO TBD	FFP	No	10/1/2007	10/1/2007	9/30/2008	2800000	No	Yes	No	NA	Yes	Yes	TBD		N/A	Yes
4	C-OPC-22284 (APPS-F42P)	FFP, BPA	Yes	9/20/2002	9/20/2002	9/29/2007	3700000	No	Yes	Yes	NA	No	Yes	Glymph, Kelvin	Kelvin_X_Glymph@hud.gov	N/A	Yes
5	C-OPC-22584 (REMS-F42D)	FFP, BPA	Yes	9/21/2004	9/30/2004	9/30/2009	29600000	No	Yes	Yes	NA	Yes	Yes	Glymph, Kelvin	Kelvin_X_Glymph@hud.gov	N/A	Yes
6	TO1 (REMS-F42D0)	FFP	Yes	9/30/2004	9/30/2004	4/30/2007	9800000	No	Yes	No	NA	Yes	Yes	Glymph, Kelvin	Kelvin_X_Glymph@hud.gov	N/A	Yes
7	TO3 (REMS-F42D)	FFP	Yes	3/24/2006	4/1/2006	11/30/2006	1400000	No	Yes	No	NA	Yes	Yes	Glymph, Kelvin	Kelvin_X_Glymph@hud.gov	N/A	Yes
8	T04 (REMS-F42D)	FFP	No	11/30/2006	12/1/2006	11/30/2007	4400000	No	Yes	No	NA	Yes	Yes	Glymph, Kelvin	Kelvin_X_Glymph@hud.gov	N/A	Yes
9	T05 (REMS-F42D)	FFP	No	4/30/2007	5/1/2007	4/30/2008	610180	No	Yes	No	NA	Yes	Yes	Glymph, Kelvin	Kelvin_X_Glymph@hud.gov	N/A	Yes
10	TO6 (REMS-F42D)	FFP	No	11/30/2007	12/1/2007	11/30/2008	4800000	No	Yes	No	NA	Yes	Yes	Glymph, Kelvin	Kelvin_X_Glymph@hud.gov	N/A	Yes
11	TO7 (REMS-F42D)	FFP	No	4/30/2008	5/1/2008	3/31/2009	1500000	No	Yes	No	NA	Yes	Yes	Glymph, Kelvin	Kelvin_X_Glymph@hud.gov	N/A	Yes
12	BROADCAST TRAINING	FFP	No	10/1/2007	10/1/2007	9/30/2008	3600	No	Yes	No	NA	Yes	Yes	Glymph, Kelvin	Kelvin_X_Glymph@hud.gov	N/A	Yes
13	C-DEN-01835 (DAP-F24A)	FFP	Yes	6/1/2004	6/1/2004	1/31/2008	17900000	No	Yes	No	NA	Yes	Yes	Royce, Nancy	Nancy_J_Royce@hud.gov	N/A	Yes
14	T02 (DAP-F24A)	FFP	Yes	12/30/2005	12/30/2005	1/31/2007	636459	No	Yes	No	NA	Yes	Yes	Royce, Nancy	Nancy_J_Royce@hud.gov	N/A	Yes
15	TO4 (DAP-F42A)	FFP	Yes	6/23/2005	6/23/2005	10/31/2006	852950	No	Yes	No	NA	Yes	Yes	Royce, Nancy	Nancy_J_Royce@hud.gov	N/A	Yes
16	TO6 (DAP-F24A)	FFP	Yes	2/1/2006	2/1/2006	1/31/2007	720920	No	Yes	No	NA	Yes	Yes	Royce, Nancy	Nancy_J_Royce@hud.gov	N/A	Yes

Row Number	Contract or Task Order Number	Type of Contract/ Task Order	Has the contract been awarded?	If so what is the date of the award? If not, what is the planned award date?	Start date of Contract/ Task Order	End date of Contract/ Task Order	Total Value of Contract/ Task Order	Is this an Interagency Acquisition?	Is it performance based?	Competitively awarded?	What, if any, alternative financing option is being used?	Is EVM in the contract?	Does the contract include the required security and privacy clauses?	Name of CO	CO Contact information (phone/email)	Contracting Officer Certification Level	If N/A, has the agency determined the CO assigned has the competencies and skills necessary to support this acquisition?
17	New Contract (DAP-F24A)	FFP, BPA	No	8/31/2007	9/1/2007	8/31/2010	3600000	No	Yes	No	NA	Yes	Yes	Royce, Nancy	Nancy_J._Royce@hud.gov	N/A	Yes
18	TO1 (DAP-F24A)	FFP, BPA	No	8/31/2007	9/1/2007	8/31/2008	1700000	No	Yes	No	NA	Yes	Yes	Royce, Nancy	Nancy_J._Royce@hud.gov	N/A	Yes
19	TO2-M (DAP-F24A)	FFP	No	1/31/2008	2/1/2008	1/31/2009	904136	No	Yes	No	NA	Yes	Yes	Royce, Nancy	Nancy_J._Royce@hud.gov	N/A	Yes
20	TO3-D (DAP-F24A)	FFP	No	8/31/2008	9/1/2008	8/31/2009	1900000	No	Yes	No	NA	Yes	Yes	Royce, Nancy	Nancy_J._Royce@hud.gov	N/A	Yes
21	C-DEN-01955 (MDDR-P057)	FFP	Yes	9/25/2004	10/1/2004	9/30/2008	2000000	No	Yes	Yes	NA	No	Yes	Mee, Michael	Michael_J._Mee@hud.gov	N/A	Yes
22	Maintenance (MDDR-P057)	FFP	Yes	4/1/2006	4/1/2006	11/30/2006	197912	No	Yes	No	NA	No	Yes	Mee, Michael	Michael_J._Mee@hud.gov	N/A	Yes
23	Maintenance (MDDR-P057)	FFP	Yes	11/30/2006	12/1/2006	11/30/2007	282000	No	Yes	No	NA	No	Yes	Mee, Michael	Michael_J._Mee@hud.gov	N/A	Yes
24	Development (MDDR-P057)	FFP	Yes	3/31/2007	4/1/2007	3/31/2008	565000	No	Yes	No	NA	Yes	Yes	Mee, Michael	Michael_J._Mee@hud.gov	N/A	Yes
25	Maintenance (MDDR-P057)	FFP	Yes	10/31/2007	11/1/2007	11/30/2008	279890	No	Yes	No	NA	No	Yes	Mee, Michael	Michael_J._Mee@hud.gov	N/A	Yes
26	C-OPC-22234 (M2M - F42B)	FFP	Yes	8/1/2002	8/1/2002	8/31/2006	2000000	No	Yes	No	NA	No	Yes	Wissman, Robert B	202-708-1772 / robert_b._wissman@hud.gov	N/A	Yes
27	MAINTENANCE (M2M-F42B)	FFP	Yes	4/30/2006	5/1/2006	8/31/2006	161282	No	Yes	No	NA	No	Yes	Wissman, Robert B	202-708-1772 / robert_b._wissman@hud.gov	N/A	Yes
28	NEM CONTRACT (M2M-F42B)	FFP, BPA	No	8/31/2006	9/1/2006	9/30/2010	1600000	No	Yes	No	NA	Yes	Yes	Wissman, Robert B	202-708-1772 / robert_b._wissman@hud.gov	N/A	Yes
29	BASE (M2M-F42B)	FFP	No	9/1/2006	9/1/2006	12/31/2006	147827	No	Yes	No	NA	Yes	Yes	Wissman, Robert B	202-708-1772 / robert_b._wissman@hud.gov	N/A	Yes
30	Option 1 (M2M-F42B)	FFP	No	12/31/2006	1/1/2007	3/31/2008	401605	No	Yes	No	NA	Yes	Yes	Wissman, Robert B	202-708-1772 / robert_b._wissman@hud.gov	N/A	Yes
31	OPTION 2 (M2M-F42B)	FFP	No	12/31/2007	1/1/2008	3/31/2009	466832	No	Yes	No	NA	Yes	Yes	Wissman, Robert B	202-708-1772 / robert_b._wissman@hud.gov	N/A	Yes
32	OPTION 3 (M2M-F42B)	FFP	No	12/31/2008	1/1/2009	3/31/2010	544572	No	Yes	No	NA	Yes	Yes	Wissman, Robert B	202-708-1772 / robert_b._wissman@hud.gov	N/A	Yes
33	C-CHI-00770 (MFIntegration)	FFP	Yes	9/30/2004	9/30/2004	9/30/2007	3300000	No	Yes	No	NA	No	Yes	Bernackie, Wayne	Wayne_Bernacki@hud.gov	N/A	Yes
34	DEVELOPMENT (MFIntegration)	FFP	Yes	9/30/2005	9/30/2005	9/29/2006	925932	No	Yes	No	NA	No	Yes	Bernackie, Wayne	Wayne_Bernacki@hud.gov	N/A	Yes
35	MAINTENANCE (MFIntegration)	FFP	Yes	9/30/2005	9/30/2005	10/31/2006	406988	No	Yes	No	NA	No	Yes	Bernackie, Wayne	Wayne_Bernacki@hud.gov	N/A	Yes
36	MAINTENANCE (MFIntegration)	FFP	Yes	10/31/2006	11/1/2006	5/31/2007	725039	No	Yes	No	NA	No	Yes	Bernackie, Wayne	Wayne_Bernacki@hud.gov	N/A	Yes
37	NEW CONTRACT (MFIntegration)	FFP	No	5/31/2007	6/1/2006	10/31/2011	8000000	No	Yes	No	NA	No	Yes	Bernackie, Wayne	Wayne_Bernacki@hud.gov	N/A	Yes
38	BASE (M2M-F42B)	FFP	No	5/31/2007	6/1/2007	10/31/2007	709515	No	Yes	No	NA	No	Yes	Bernackie, Wayne	Wayne_Bernacki@hud.gov	N/A	Yes
39	OPTION 1 (M2M-F42B)	FFP	No	10/31/2007	11/1/2007	10/31/2008	1600000	No	Yes	No	NA	No	Yes	Bernackie, Wayne	Wayne_Bernacki@hud.gov	N/A	Yes
40	OPTION 2 (M2M-F42B)	FFP	No	10/31/2008	11/1/2008	10/31/2009	1700000	No	Yes	No	NA	No	Yes	Bernackie, Wayne	Wayne_Bernacki@hud.gov	N/A	Yes
41	OPTION 3 (M2M-F42B)	FFP	No	10/31/2009	11/1/2009	10/31/2010	1900000	No	Yes	No	NA	No	Yes	Bernackie, Wayne	Wayne_Bernacki@hud.gov	N/A	Yes
42	OPTION 4 (M2M-F42B)	FFP	No	10/31/2010	11/1/2010	10/31/2011	2100000	No	Yes	No	NA	No	Yes	Bernackie, Wayne	Wayne_Bernacki@hud.gov	N/A	Yes
43	C-PHI-00954 (NN-P145)	FFP	Yes	9/28/2005	9/28/2005	3/31/2008	1400000	No	Yes	No	NA	No	Yes	Bernackie, Wayne	Wayne_Bernacki@hud.gov	N/A	Yes
44	OPTION 1 (NN-P145)	FFP	Yes	3/31/2006	4/1/2006	10/31/2006	145273	No	Yes	No	NA	No	Yes	Bernackie, Wayne	Wayne_Bernacki@hud.gov	N/A	Yes
45	OPTION 1a (NN-P145)	FFP	Yes	10/31/2006	11/1/2006	3/31/2007	108335	No	Yes	No	NA	No	Yes	Bernackie, Wayne	Wayne_Bernacki@hud.gov	N/A	Yes
46	OPTION 2 (NN-P145)	FFP	Yes	3/31/2007	4/1/2007	10/31/2007	151665	No	Yes	No	NA	No	Yes	Bernackie, Wayne	Wayne_Bernacki@hud.gov	N/A	Yes

Row Number	Contract or Task Order Number	Type of Contract/ Task Order	Has the contract been awarded?	If so what is the date of the award? If not, what is the planned award date?	Start date of Contract/ Task Order	End date of Contract/ Task Order	Total Value of Contract/ Task Order	Is this an Interagency Acquisition?	Is it performance based?	Competitively awarded?	What, if any, alternative financing option is being used?	Is EVM in the contract?	Does the contract include the required security and privacy clauses?	Name of CO	CO Contact information (phone/email)	Contracting Officer Certification Level	If N/A, has the agency determined the CO assigned has the competencies and skills necessary to support this acquisition?
47	OPTION 2a (NN-P145)	FFP	Yes	3/31/2007	4/1/2007	3/31/2008	560000	No	Yes	No	NA	No	Yes	Bernackie, Wayne	Wayne_Bernacki@hud.gov	N/A	Yes
48	OPTION 2b (NN-P145)	FFP	Yes	10/31/2007	11/1/2007	3/31/2008	260000	No	Yes	No	NA	No	Yes	Bernackie, Wayne	Wayne_Bernacki@hud.gov	N/A	Yes
49	C-DEN-01845 (OPIIS)	FFP	Yes	3/15/2005	3/15/2005	3/11/2007	3000000	No	Yes	No	NA	No	Yes	Karpowicz, Tony M	Tony_M._Karpowicz@HUD.gov	N/A	Yes
50	TO6 (OPIIS)	FFP	No	3/1/2006	3/1/2006	9/15/2006	139422	No	Yes	No	NA	No	Yes	Karpowicz, Tony M	Tony_M._Karpowicz@HUD.gov	N/A	Yes
51	TO8 (OPIIS)	FFP	Yes	6/1/2006	6/1/2006	11/30/2006	277875	No	Yes	No	NA	No	Yes	Karpowicz, Tony M	Tony_M._Karpowicz@HUD.gov	N/A	Yes
52	NEW CONTRACT (OPIIS)	FFP, BPA	No	9/29/2006	12/1/2006	9/30/2010	2100000	No	Yes	No	NA	No	Yes	Karpowicz, Tony M	Tony_M._Karpowicz@HUD.gov	N/A	Yes
53	BASE (OPIIS)	FFP	No	9/29/2006	12/1/2006	7/31/2007	245614	No	Yes	No	NA	No	Yes	Karpowicz, Tony M	Tony_M._Karpowicz@HUD.gov	N/A	Yes
54	OPTION 1 (OPIIS)	FFP	No	7/31/2007	8/1/2007	7/31/2008	860000	No	Yes	No	NA	No	Yes	Karpowicz, Tony M	Tony_M._Karpowicz@HUD.gov	N/A	Yes
55	OPTION 2 (OPIIS)	FFP	No	7/31/2008	8/1/2008	7/31/2009	678000	No	Yes	No	NA	No	Yes	Karpowicz, Tony M	Tony_M._Karpowicz@HUD.gov	N/A	Yes
56	OPTION 3 (OPIIS)	FFP	No	7/31/2009	8/1/2009	7/31/2009	354000	No	Yes	No	NA	No	Yes	Karpowicz, Tony M	Tony_M._Karpowicz@HUD.gov	N/A	Yes
57	NEW TO TBD (APPS-F42P)	FFP	No	10/1/2007	10/1/2007	9/30/2008	567000	No	Yes	No	NA	Yes	Yes	TBD		N/A	Yes
58	T011 (APPS-F42P)	FFP	Yes	9/27/2004	9/24/2004	7/20/2006	948045	No	Yes	No	NA	No	Yes	Glymph, Kelvin	202-708-7133 / Kelvin_X._Glymph@hud.gov	N/A	Yes
59	TO5 (DAP-F24A)	FFP	Yes	8/22/2005	8/22/2005	10/31/2006	145959	No	Yes	No	NA	Yes	Yes	Royce, Nancy	Nancy_J._Royce@hud.gov	N/A	Yes
60	BROADCAST TRAINING (REMS-F42D)	FFP	No	8/1/2007	8/1/2007	10/31/2007	2517	No	Yes	No	NA	No	Yes	Glymph, Kelvin	202-708-7133 / Kelvin_X._Glymph@hud.gov	N/A	Yes

**Contract/Task Order Questions BY08**

If earned value is not required or will not be a contract requirement for any of the contracts or task orders above, explain why:

Contracts with "NO" EVM indicated in the contract are maintenance contracts which practice "Operational Analysis".

Do the contracts ensure Section 508 compliance? Yes

Explain why (508 Compliance)?

Is there an acquisition plan which has been approved in accordance with agency requirements? Yes

What is the date of your acquisition plan? 11/15/2005

If "no," will an acquisition plan be developed?

If "no," briefly explain why:

**I.D: PERFORMANCE INFORMATION BY08**

**Performance Goals & Measures BY08**

Agencies must use the Performance Goals and Measures Table below for reporting performance goals and measures for all non-IT investments and for existing IT investments that were initiated prior to FY 2005. The table can be extended to include measures for years beyond FY 2006.

Performance Goals and Measures

Fiscal	Strategic Goal(s)	Performance	Actual/baseline	Planned	Performance Metric
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Year	Supported	Measure	(from Previous Year)	Performance Metric (Target)	Results (Actual)
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FEA Performance Reference Model (PRM) BY08

FEA PRM

Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Planned Improvement to the Baseline	Actual Results
2005	Goal E: Embrace High Standards of Ethics, Management and Accountability	Customer Results	Service Quality	Accuracy of Service or Product Delivered	Average satisfaction rating on quality of service surveys after each Major Release broadcast training session.	The survey is being created along with a generic HUD Lotus Notes account for user responses. The first survey will be issued after the August 3, 2005 broadcast training and will be the baseline for this performance goal.	Improve average rating and positive comments on these training surveys. Inspection of the surveys will be the method used to obtain this measurement.	Results from the August 2005 broadcast computed to a slightly above average rating.
2005	Goal A: Increase Homeownership Opportunities	Mission and Business Results	Controls and Oversight	Program Evaluation	% of data collected on accessibility features for HUD properties.	This information is used in congressional reporting. Currently this information is collected via survey. This data will be collected VIA REMS beginning in FY 2006. The starting baseline for FY 2007 will be the FY 2006 end totals.	Increase % of data collected by 10%.	As of 9/30/2005, the capability to capture the survey information was added to REMS. As this point, on 16 surveys have been collected. Current %=0/. This information will increase in FY 2006.
2005	Goal A: Increase Homeownership Opportunities	Mission and Business Results	Controls and Oversight	Program Monitoring	% of active properties with no financial compliance flags.	95% of active properties with no financial compliance flags.	The goal is 95% for each fiscal year; however, the measurement is based on a different and expanding universe of properties.	Results = 95% as of 9-30, 2005. Results based on the # of properties with no compliance issues (11,771), properties with closed compliance reviews (4,978), and properties with open compliance reviews (868). Formula = $[11771 + 4,978] / [11,771 +$
2005	Goal E: Embrace High Standards of Ethics, Management and Accountability	Mission and Business Results	Controls and Oversight	Program Monitoring	% of active properties with EH&S items addressed within 3 days.	95% of active properties with EH&S items addressed within 3 days.	The goal is 95% for each fiscal year; however, the measurement is based on a different and expanding universe of properties.	99% - Results based on total inspections with EH&S 6,078, inspections with no action reported 28, inspections where owner was notified of outstanding EH&S 10, inspections where owner failed to mitigate EH&S items 9, and EH&S items mitigated 6,031
2005	Goal E: Embrace High Standards of Ethics, Management and Accountability	Mission and Business Results	Controls and Oversight	Program Monitoring	% of increase in the number of applications entered for the FHA Programs coded in DAP	2004 baseline indicates 33.4% of applications were processed in the underwriting/review subsystem for 2004, In 2005 31% of applications are processed in the underwriting/review subsystem.	10% increase in the number of applications entered for the FHA Programs coded in DAP	288 of the Projects were processed in the Underwriting Module for 2005 (288/929) 31% versus (313/951) in 2004 33.4%; netting a 2.4% decrease
2005	Goal E: Embrace High	Processes and Activities	Productivity and Efficiency	Efficiency	# of new types of notifications	# of Event Notifications	5 new events rules each year.	8 new events as of 9/30/2005.

Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Planned Improvement to the Baseline	Actual Results
	Standards of Ethics, Management and Accountability				added to the automated Event Notification module. These events automate notification of critical business events and streamline the discovery process, thereby increasing the efficiency of field level project manag	business rules (types) which generate notifications as of FY 2004 end. There were 13 event rules at the end of FY 2004.		
2005	Goal E: Embrace High Standards of Ethics, Management and Accountability	Technology	Effectiveness	IT Contribution to Process, Customer, or Mission	% increase in initial loan endorsements in DAP	67% of initial endorsements from F47 are in the DAP system (1030/1063)	5% increase in initial loan endorsements in DAP	1030 is the total number of Initial Endorsements in DAP that are in F47 for 2005. 1030 for DAP and 1063 for F47. (67%) versus 1308 for DAP and 1331 for F47 in 2004. This represents a 10% decrease
2005	Goal E: Embrace High Standards of Ethics, Management and Accountability	Technology	Efficiency	Improvement	Percent of HUD Property Owners and Management Agents who can view REMS system data on their properties.	This is a new goal/capability for this FY. Current Owners & Managements Agents have no access to REMS.	Add View Capability to basic property and participant information by the end of the FY for 5% of Owners/Management Agents.	Capability was added in the REMS system for all (100%) of owner/management agents, but as of 9/30/2005, this capability has not been turned on.
2005	Goal E: Embrace High Standards of Ethics, Management and Accountability	Technology	Quality	Compliance and Deviations	% decrease in the number of trouble tickets	Existing baseline 2003-04 estimates 15 trbl tkts /qtr. Avg computed - actual # of trbl tkts reported with minimal systems use. In 05, DAP Sys use was made Mandatory, which increase user exposure. This increased 05 baseline to 109 trbl tkts /qtr.	10% decrease in the number of trouble tickets	As of December 31, 2005 the 3rd Qtr metric results show a 6,892% increase in the number of trouble tickets compared to the 2004 baseline.
2006	Goal E: Embrace High Standards of Ethics, Management and Accountability	Customer Results	Service Quality	Accuracy of Service or Product Delivered	Average satisfaction rating on quality of service surveys after each Major Release broadcast training session.	The previous training sessions ratings. These training sessions are normally conducted on a quaterly basis.	Improve average rating and positive comments on these training surveys. Inspection of the surveys will be the method used to obtain this measurement.	Respondents have been very satisfied with the quality of service, and the number of negative comments has decreased.
2006	Goal E: Embrace High Standards of Ethics, Management and Accountability	Mission and Business Results	Controls and Oversight	Program Evaluation	% of data collected on accessibility features for HUD properties.	This information is used in congressional reporting. Currently this information is collected via survey. This data is currently not available in REMS.	For FY 2006, the goal is to automate the collection capability and begin collecting the data. The goal for this year would be to establish the baseline.	100%. Ability added to collect data.
2006	Goal A: Increase Homeownership Opportunities	Mission and Business Results	Controls and Oversight	Program Monitoring	% of active properties with no financial compliance flags.	95% of active properties with no financial compliance flags.	The goal is 95% for each fiscal year; however, the measurement is based on a different and expanding universe of properties.	Results = 91% as of 3-31-06. Results based on the number of properties with no compliance issues (3,603), properties with closed compliance reviews (907), and

Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Planned Improvement to the Baseline	Actual Results
								properties with open compliance reviews (428). Formula = $\frac{[3,603 + 907]}{[3,603 + 907 + 4]}$
2006	Goal E: Embrace High Standards of Ethics, Management and Accountability	Mission and Business Results	Controls and Oversight	Program Monitoring	% of active properties with EH&S items addressed within 3 days.	95% of active properties with EH&S items addressed within 3 days.	The goal is 95% for each fiscal year; however, the measurement is based on a different and expanding universe of properties.	97% - Result based on total inspections with EH&S 1,657, inspections with no action reported 22, inspections where owner was notified of outstanding EH&S 18, inspections where owner failed to mitigate EH&S items 6, and EH&S items mitigated 1,611
2006	Goal A: Increase Homeownership Opportunities	Mission and Business Results	Controls and Oversight	Program Monitoring	% of increase in the number of applications entered for the FHA Programs coded in DAP	10% of applications are processed in the underwriting/review subsystem	10% increase in the number of applications entered for the FHA Programs coded in DAP	Results will be reported December 2006
2006	Goal E: Embrace High Standards of Ethics, Management and Accountability	Mission and Business Results	Controls and Oversight	Program Monitoring	% increase in initial loan endorsements in DAP	77% of initial endorsements from F47 are in the DAP system	5% increase in initial loan endorsements in DAP	Results will be reported December 2006
2006	Goal E: Embrace High Standards of Ethics, Management and Accountability	Mission and Business Results	Controls and Oversight	Program Monitoring	% increase in the number of FHA and Risk Sharing loans process in DAP	Baseline will be provided from FY 2005 actual achievements	Increase the number of FHA and Risk Sharing loans processed in DAP by 2% per year.	Actual results will be provided in December 2006
2006	Goal E: Embrace High Standards of Ethics, Management and Accountability	Processes and Activities	Productivity and Efficiency	Efficiency	# of new types of notifications added to the automated Event Notification module. These events automate notification of critical business events and streamline the discovery process, thereby increasing the efficiency of field level project manage	# of Event Notifications business rule which generate notifications as of FY 2005 end.	5 new events rules each year.	As of April 2006, 1 new event rule was added.
2006	Goal E: Embrace High Standards of Ethics, Management and Accountability	Technology	Effectiveness	IT Contribution to Process, Customer, or Mission	% decrease in the number of trouble tickets	20 occurrences per quarter. This is an average computed from the actual number of trouble tickets reported.	10% decrease in the number of trouble tickets	Results will be reported December 2006
2006	Goal E: Embrace High Standards of Ethics, Management and Accountability	Technology	Efficiency	Improvement	Increase access to REMS via Secure Internet access for HUD Employees.	HUD emplys don't have access to REMS via Internet. Access limtd to intranet. Increased efficiency will result from availability of REMS via VPN technologies when teleworking/off-site work authorized. This also increases	Add capability for all HUD employees with valid credentials to access REMS.	100%

Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Planned Improvement to the Baseline	Actual Results
						access for depts OIG office.		
2006	Goal E: Embrace High Standards of Ethics, Management and Accountability	Technology	Efficiency	Improvement	Increase Percent HUD Property Owners and Management Agents access to the REMS system. This includes adding the ability to update data on their properties.	Owners will have read only access prior to this goal.	Add updated capability and the ability to submit various information for HUD approval. Goal = 95% Access to this capability	0% to date. Coding is complete, pending implementation.
2006	Goal E: Embrace High Standards of Ethics, Management and Accountability	Technology	Efficiency	Improvement	Percent of HUD Property Owners and Management Agents who can view REMS system data on their properties.	This is a new goal/capability for this FY. Current Owners & Management Agents have no access to REMS. Baseline = 0.	Add View Capability to basic property and participant information by the end of the FY for 95% of Owners/Management Agents.	0% to date. Coding is complete, pending implementation.
2006	Goal E: Embrace High Standards of Ethics, Management and Accountability	Technology	Financial (Technology)	Overall Costs	% of alignment with HUD's Enterprise Architecture target technical architecture.	Currently REMS does not align with the technical architecture as a Coldfusion/Sybase based application.	30% alignment as defined by converting the database from Sybase to Oracle.	30% alignment as defined by converting the database from Sybase to Oracle.
2007	Goal E: Embrace High Standards of Ethics, Management and Accountability	Customer Results	Service Coverage	Service Efficiency	Increase percent of HUD Property Owners and Management Agents access to the REMS system. This includes adding the ability to update data on their properties.	Amount of data available for update at the end of FY 2006.	Increase scope of data available for view and update by property owners and management agents, including G2B data sharing via XML. Goal = 95% of data is available via B2B interface.	TBD
2007	Goal A: Increase Homeownership Opportunities	Mission and Business Results	Controls and Oversight	Program Monitoring	% of active properties with no financial compliance flags.	95% of active properties with no financial compliance flags.	The goal is 95% for each fiscal year; however, the measurement is based on a different and expanding universe of properties.	TBD
2007	Goal E: Embrace High Standards of Ethics, Management and Accountability	Mission and Business Results	Controls and Oversight	Program Monitoring	% of active properties with EH&S items addressed within 3 days.	95% of active properties with EH&S items addressed within 3 days.	The goal is 95% for each fiscal year; however, the measurement is based on a different and expanding universe of properties.	TBD
2007	Goal E: Embrace High Standards of Ethics, Management and Accountability	Processes and Activities	Productivity and Efficiency	Efficiency	# of new types of notifications added to the automated Event Notification module. These events automate notification of critical business events and streamline the discovery process, thereby increasing the efficiency of field level project manage	# of Event Notifications business rule which generate notifications as of FY 2006 end.	5 new events rules each year.	TBD
2007	Goal E: Embrace High Standards of Ethics,	Technology	Financial (Technology)	Overall Costs	% of alignment with HUD's Enterprise Architecture	Currently REMS does not align with the technical architecture as a	100% alignment with the target EA Architecture. This includes	TBD

Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Planned Improvement to the Baseline	Actual Results
	Management and Accountability				target technical architecture.	Coldfusion/Sybase based application. In FY 2006 the goal is the database will be converted for a 30% alignment.	modernization of REMS from Coldfusion to Java/J2EE.	
2008	Goal E: Embrace High Standards of Ethics, Management and Accountability	Customer Results	Service Coverage	Service Efficiency	(IREMS) Increase the amount of data submitted by property owners, lenders and management agents.	Amount of data available for update at the end of FY2007.	Increase scope of data available for submission and update by property owners, lenders and management agents. Goal = 95% of data is available via B2B interface.	TBD
2008	Goal A: Increase Homeownership Opportunities	Mission and Business Results	Controls and Oversight	Program Monitoring	% of active properties with no financial compliance flags	95% of active properties with no financial compliance flags.	The goal is 95% for each fiscal year; however, the measurement is based on a different and expanding universe of properties.	TBD
2008	Goal A: Increase Homeownership Opportunities	Mission and Business Results	Controls and Oversight	Program Monitoring	% of active properties with EH&S items addressed within 3 days.	95% of active properties with EH&S items addressed within 3 days.	The goal is 95% for each fiscal year; however, the measurement is based on a different and expanding universe of properties.	TBD
2008	Goal E: Embrace High Standards of Ethics, Management and Accountability	Processes and Activities	Productivity and Efficiency	Efficiency	# of new types of notifications added to the automated Event Notification module. These events automate notification of critical business events and streamline the discovery process, thereby increasing the efficiency of field level project manag	# of Event Notifications business rule which generate notifications as of FY 2006 end.	5 new events rules each year.	TBD
2008	Goal E: Embrace High Standards of Ethics, Management and Accountability	Technology	Information and Data	External Data Sharing	Percent of HUD business partners who have the ability to submit and track applications, comparability studies and other documentation directly to REMS.	This is a new goal/capability for this FY. Current business partners do not have the ability to submit and track applications, comparability studies and other documentation directly to REMS. Baseline = 0.	Add ability to submit data and forms and track document processing b the end of the FY for 95% of business partners.	TBD

All new IT investments initiated for FY 2005 and beyond must use Table 2 and are required to use the Federal Enterprise Architecture (FEA) Performance Reference Model (PRM). Please use Table 2 and the PRM to identify the performance information pertaining to this major IT investment. Map all Measurement Indicators to the corresponding "Measurement Area" and "Measurement Grouping" identified in the PRM. There should be at least one Measurement Indicator for at least four different Measurement Areas (for each fiscal year). The PRM is available at [www.e.gov.gov](http://www.e.gov.gov).

### ***I.E: SECURITY AND PRIVACY BY08***

#### ***Costs & Risks BY08***

In order to successfully address this area of the business case, each question below must be answered at the system/application level, not at a program or agency level. Systems supporting this investment on the planning

and operational systems security tables should match the systems on the privacy table below. Systems on the Operational Security Table must be included on your agency FISMA system inventory and should be easily referenced in the inventory (i.e., should use the same name or identifier).

All systems supporting and/or part of this investment should be included in the tables below, inclusive of both agency owned systems and contractor systems. For IT investments under development, security and privacy planning must proceed in parallel with the development of the system/s to ensure IT security and privacy requirements and costs are identified and incorporated into the overall lifecycle of the system/s.

Please respond to the questions below and verify the system owner took the following actions:

Have the IT security costs for the system(s) been identified and integrated into the overall costs of the investment? Yes

Provide the Percentage IT Security for the budget year 0.064000

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

### Security: Planning Systems BY08

Systems in Planning - Security

Name of System	Agency/ or Contractor Operated System?	Planned Operational Date	Planned or Actual C&A Completion Date
Integrated Real Estate Management System (IREMS) (planned operational date for the entire consolidated iREMS project)	Contractor and Government	9/30/2011	8/30/2011

### Security: Operational Systems BY08

Operational Systems - Security

Name of System	Agency/ or Contractor Operated System?	NIST FIPS 199 Risk Impact level	Has C&A been Completed, using NIST 800-37?	Date C&A Complete	What standards were used for the Security Controls tests?	Date Complete(d): Security Control Testing	Date the contingency plan tested
Active Partners Performance System (APPS - 00251460)	Contractor Only	Moderate	Yes	6/17/2005	FIPS 200 / NIST 800-53	9/22/2006	2/16/2006
Development Application Processing (DAP - 00251800)	Contractor Only	Low	Yes	7/8/2005	FIPS 200 / NIST 800-53	9/22/2006	3/1/2006
Mark-To-Market (M2M - 00251850)	Contractor Only	Moderate	Yes	7/19/2005	FIPS 200 / NIST 800-53	9/22/2006	4/25/2006
Multifamily Delinquency Reporting (MDDR - 00251840)	Contractor Only	Low	Yes	6/17/2005	FIPS 200 / NIST 800-53	9/22/2006	11/22/2005
Real Estate Management System	Contractor and Government	Moderate	Yes	6/17/2005	FIPS 200 / NIST 800-53	9/22/2006	3/1/2006

### Security: Weaknesses & Contractor Procedures BY08

Have any weaknesses, not yet remediated, related to Yes

any of the systems part of or supporting this investment been identified by the agency or IG?

If "yes," have those weaknesses been incorporated into the agency's plan of action and milestone process?  Yes

Indicate whether an increase in IT security funding is requested to remediate IT security weaknesses?  No

If "yes," specify the amount, provide a general description of the weakness, and explain how the funding request will remediate the weakness.

How are contractor security procedures monitored, verified, and validated by the agency for the contractor systems above?

Contractors currently operate the iREMS project subsystems at HUD's HITS vendor facility located in West Virginia. The access of contractors to iREMS systems in this initiative is limited on the basis of need to know. All contractors are required to undergo HSPD-12 personal identity verification before gaining access to any HUD system or facility. Contract staff is required to sign non-disclosure forms and also provide monthly status reports. The application security administrator for the Development Application Processing (DAP) grants user privileges at the application level. The contractor monitors user activities by means of regular audit trail reviews.

Contract operations relative to the iREMS project are required to comply with HUD's IT Security Policy, which implements FISMA, A-130, A-11, NIST 800 series, and other federal requirements. In accordance with contract provisions, contractor reporting on the status of security controls, as well as site inspections, vulnerability scanning, and audits are conducted on a periodic basis to ensure contractor compliance with established security requirements. Additionally, contractor operations are monitored through the performance of biweekly status meetings where security incidents and events, results of automated scans, and audit trails may be reviewed.

*Privacy: Planning & Operational Systems BY08*

Planning & Operational Systems - Privacy

Name of System	Is this a new system?	Is there a Privacy Impact Assessment (PIA) that covers this system?	Is the PIA available to the public?	Is a System of Records Notice (SORN) required for this system?	Was a new or amended SORN published in FY 06?
Development Application Processing (DAP)	No	Yes.	Yes.	No	No, because the system is not a Privacy Act system of records.
Multifamily Delinquency and default Reporting System (MDDR)	No	Yes.	Yes.	No	No, because the system is not a Privacy Act system of records.
Real Estate Management System	No	Yes.	Yes.	No	No, because the system is not a Privacy Act system of records.

***I.F: ENTERPRISE ARCHITECTURE (EA) BY08***

*General EA Questions BY08*

In order to successfully address this area of the business case and capital asset plan you must ensure the investment is included in the agency's EA and Capital Planning and Investment Control (CPIC) process, and is mapped to and supports the FEA. You must also ensure the business case demonstrates the relationship between the investment and the business, performance, data, services, application, and technology layers of the agency's EA.

Is this investment included in your agency's target enterprise architecture?  Yes

If "no," please explain why this investment is not included in your agency's target enterprise architecture?

Is this investment included in the agency's EA Transition  Yes

Strategy?

If "yes," provide the investment name as identified in the Transition Strategy provided in the agency's most recent annual EA Assessment.

Integrated Real Estate Management System

If "no," please explain why this investment is not included in the agency's EA Transition Strategy?

**FEA SRM BY08**

Identify the service components funded by this major IT investment (e.g., knowledge management, content management, customer relationship management, etc.). Provide this information in the format of the following table. For detailed guidance regarding components, please refer to <http://www.whitehouse.gov/omb/egov/>.

Service Component Reference Model (SRM) Table

Agency Component Name	Agency Component Description	Service Domain	FEA SRM Service Type	FEA SRM Component	FEA Service Component Reused Name	FEA Service Component Reused UPI	Internal or External Reuse?	BY Funding Percentage
Asset Cataloging/Identification	Defines the set of capabilities that support the listing and specification of available assets.	Back Office Services	Asset / Materials Management	Asset Cataloging / Identification			No Reuse	3
Facilities Management	Defines the set of capabilities that support the construction, management and maintenance of facilities for an organization.	Back Office Services	Asset / Materials Management	Facilities Management			No Reuse	3
Property/Asset Management	Property/Asset Management defines the set of capabilities that support the identification, planning and allocation of an organization's physical capital and resources.	Back Office Services	Asset / Materials Management	Property / Asset Management			No Reuse	3
Data Exchange	Data Exchange defines the set of capabilities that support the interchange of information between multiple systems or applications.	Back Office Services	Data Management	Data Exchange			No Reuse	3
Data Mart	Support the interchange of information between multiple systems or applications.	Back Office Services	Data Management	Data Mart			No Reuse	3
Data Warehouse	Defines the set of capabilities that support the archiving and storage of large volumes of data.	Back Office Services	Data Management	Data Warehouse			No Reuse	3
Extraction and Transformation	Defines the set of capabilities that support the manipulation and change of data.	Back Office Services	Data Management	Extraction and Transformation			No Reuse	3



Agency Component Name	Agency Component Description	Service Domain	FEA SRM Service Type	FEA SRM Component	FEA Service Component Reused Name	FEA Service Component Reused UPI	Internal or External Reuse?	BY Funding Percentage
Loading and Archiving	Defines the set of capabilities that support the population of a data source with external data.	Back Office Services	Data Management	Loading and Archiving			No Reuse	3
Data Integration	"Defines the set of capabilities that support the organization of data from separate data sources into a single source using middleware or application integration as well as the modification of system data models to capture new information within a single system."	Back Office Services	Development and Integration	Data Integration			No Reuse	3
Activity-Based Management	Support a defined, specific set of finance related tasks for a given objective.	Back Office Services	Financial Management	Activity-Based Management			No Reuse	3
Business Analytical Services	Support the formulation and mathematical analysis of probabilistic models for random phenomena and the development and investigation of methods and principles for statistical inference.	Business Analytical Services	Analysis and Statistics	Mathematical			No Reuse	4
Ad Hoc	Defines the set of capabilities that support the use of dynamic reports on an as needed basis.	Business Analytical Services	Reporting	Ad Hoc			No Reuse	3
OLAP	Defines the set of capabilities that support the analysis of information that has been summarized into multidimensional views and hierarchies.	Business Analytical Services	Reporting	OLAP			No Reuse	3
Business Analytical Services	Defines the set of capabilities that support the use of pre-conceived or pre-written reports.	Business Analytical Services	Reporting	Standardized / Canned			No Reuse	3
Portfolio Management	Defines the set of capabilities that support the administration of a group of investments held by an organization.	Business Management Services	Investment Management	Portfolio Management			No Reuse	3

Agency Component Name	Agency Component Description	Service Domain	FEA SRM Service Type	FEA SRM Component	FEA Service Component Reused Name	FEA Service Component Reused UPI	Internal or External Reuse?	BY Funding Percentage
Business Rule Management	Defines the set of capabilities for the management of the enterprise processes that support an organization and its policies.	Business Management Services	Management of Processes	Business Rule Management			No Reuse	3
Contact and Profile Management	Provide a comprehensive view of all customer interactions, including calls, email, correspondence and meetings; also provide for the maintenance of a customer's account, business and personal information.	Customer Services	Customer Relationship Management	Contact and Profile Management			No Reuse	3
Customer Analytics	Customer Analytics defines the set of capabilities that allow for the analysis of an organization's customers as well as the scoring of third party information as it relates to an organization's customers.	Customer Services	Customer Relationship Management	Customer Analytics			No Reuse	3
Partner Relationship Management	Collaboration between an organization and its business partners and other parties.	Customer Services	Customer Relationship Management	Partner Relationship Management			No Reuse	3
Information Retrieval	Defines the set of capabilities that allow access to data and information for use by an organization and its stakeholders.	Digital Asset Services	Knowledge Management	Information Retrieval			No Reuse	3
Information Sharing	Defines the set of capabilities that support the use of documents and data in a multi-user environment for use by an organization and its stakeholders.	Digital Asset Services	Knowledge Management	Information Sharing			No Reuse	3
Knowledge Capture	Defines the set of capabilities that facilitates collection of data and information.	Digital Asset Services	Knowledge Management	Knowledge Capture			No Reuse	3
Inbound Correspondence Management	Defines the set of capabilities that manage externally initiated communication between an organization and its	Process Automation Services	Routing and Scheduling	Inbound Correspondence Management			No Reuse	3

Agency Component Name	Agency Component Description	Service Domain	FEA SRM Service Type	FEA SRM Component	FEA Service Component Reused Name	FEA Service Component Reused UPI	Internal or External Reuse?	BY Funding Percentage
	stakeholders.							
Case/Isssue Management	Defines the set of capabilities for manaing the life cycle of a particular claim or investigation within an organization to include creating, routing, tracing, assignment and closing of a case as well as collaboration among case handlers.	Process Automation Services	Tracking and Workflow	Case Management			No Reuse	11
Process Tracking	Defines the set of capabilities to allow the monitoring of activities within the business.	Process Automation Services	Tracking and Workflow	Process Tracking			No Reuse	3
Community Management	"Defines the set of capabilities that support the administration of online groups that share common interests."	Support Services	Communication	Community Management			No Reuse	3
Digital Signature	Defines the set of capabilities that guarantee the unaltered state of a file.	Support Services	Security Management	Digital Signature Management			No Reuse	3

Use existing SRM Components or identify as "NEW". A "NEW" component is one not already identified as a service component in the FEA SRM.

A reused component is one being funded by another investment, but being used by this investment. Rather than answer yes or no, identify the reused service component funded by the other investment and identify the other investment using the Unique Project Identifier (UPI) code from the OMB Ex 300 or Ex 53 submission.

'Internal' reuse is within an agency. For example, one agency within a department is reusing a service component provided by another agency within the same department. 'External' reuse is one agency within a department reusing a service component provided by another agency in another department. A good example of this is an E-Gov initiative service being reused by multiple organizations across the federal government.

Please provide the percentage of the BY requested funding amount used for each service component listed in the table. If external, provide the funding level transferred to another agency to pay for the service.

#### FEA TRM BY08

To demonstrate how this major IT investment aligns with the FEA Technical Reference Model (TRM), please list the Service Areas, Categories, Standards, and Service Specifications supporting this IT investment.

Technical Reference Model (TRM) Table

FEA SRM Component	FEA TRM Service Area	FEA TRM Service Category	FEA TRM Service Standard	Service Specification (i.e. vendor or product name)
Customer Analytics	Component Framework	Business Logic	Platform Dependent	Coldfusion 5.0 ( To be upgraded to be MX7)
Digital Signature Management	Component Framework	Business Logic	Platform Dependent	Coldfusion 5.0 ( To be upgraded to be MX7)
Partner Relationship	Component Framework	Business Logic	Platform Dependent	Coldfusion 5.0 ( To be upgraded to be MX7)

FEA SRM Component	FEA TRM Service Area	FEA TRM Service Category	FEA TRM Service Standard	Service Specification (i.e. vendor or product name)
Management				
Contact and Profile Management	Component Framework	Business Logic	Platform Dependent	Coldfusion 5.0 ( To be upgraded to be MX7) and SAS IML - Interactive Matrix Language 6.09
Business Rule Management	Component Framework	Business Logic	Platform Dependent	Enterprise Java Beans (EJB) and Java Servlet (JSR 53)
Data Integration	Component Framework	Business Logic	Platform Dependent	Enterprise Java Beans (EJB) and Java Servlet (JSR 53)
OLAP	Component Framework	Business Logic	Platform Dependent	Enterprise Java Beans (EJB) and Java Servlet (JSR 53)
Activity-Based Management	Component Framework	Business Logic	Platform Dependent	Enterprise Java Beans (EJB) and Java Servlet (JSR 53)
Ad Hoc	Component Framework	Business Logic	Platform Dependent	PowerBuilder (version unspecified) / 5.0 / 6.5
Asset Cataloging / Identification	Component Framework	Business Logic	Platform Dependent	PowerBuilder (version unspecified) / 5.0 / 6.5
Inbound Correspondence Management	Component Framework	Business Logic	Platform Dependent	PowerBuilder (version unspecified) / 5.0 / 6.5
Information Retrieval	Component Framework	Business Logic	Platform Dependent	PowerBuilder (version unspecified) / 5.0 / 6.5 and SAS IML - Interactive Matrix Language 6.09
Information Sharing	Component Framework	Business Logic	Platform Dependent	PowerBuilder (version unspecified) / 5.0 / 6.5 and SAS IML - Interactive Matrix Language 6.09
Knowledge Capture	Component Framework	Business Logic	Platform Dependent	PowerBuilder (version unspecified) / 5.0 / 6.5 and SAS IML - Interactive Matrix Language 6.09
Data Exchange	Component Framework	Business Logic	Platform Dependent	PowerBuilder (version unspecified) / 5.0 / 6.5, and Transact SQL
Case Management	Component Framework	Business Logic	Platform Dependent	PowerBuilder (version unspecified) / 5.0 / 6.5, SAS IML - Interactive Matrix Language 6.09, and Transact SQL
Process Tracking	Component Framework	Business Logic	Platform Dependent	PowerBuilder (version unspecified) / 5.0 / 6.5, SAS IML - Interactive Matrix Language 6.09, and Transact SQL
Standardized / Canned	Component Framework	Business Logic	Platform Dependent	PowerBuilder (version unspecified) / 5.0 / 6.5, SAS IML - Interactive Matrix Language 6.09, and Transact SQL
Facilities Management	Component Framework	Business Logic	Platform Dependent	SAS IML - Interactive Matrix Language 6.09
Portfolio Management	Component Framework	Business Logic	Platform Dependent	SAS IML - Interactive Matrix Language 6.09
Property / Asset Management	Component Framework	Business Logic	Platform Dependent	SAS IML - Interactive Matrix Language 6.09
Community Management	Component Framework	Business Logic	Platform Dependent	Transact SQL
Data Warehouse	Component Framework	Business Logic	Platform Dependent	Transact SQL
Loading and Archiving	Component Framework	Business Logic	Platform Dependent	Transact SQL
Data Mart	Component Framework	Business Logic	Platform Dependent	Transact SQL, Enterprise Java Beans (EJB), and Java Servlet

FEA SRM Component	FEA TRM Service Area	FEA TRM Service Category	FEA TRM Service Standard	Service Specification (i.e. vendor or product name)
				(JSR 53)
Extraction and Transformation	Component Framework	Business Logic	Platform Dependent	Transact SQL, Java Servlet (JSR 53), and Enterprise Java Beans (EJB)
Identification and Authentication	Component Framework	Business Logic	Platform Independent	JSP
Asset Cataloging / Identification	Component Framework	Business Logic	Platform Independent	Microsoft Visual C++ 6.0, Java 1.2, and C++
Case Management	Component Framework	Business Logic	Platform Independent	Microsoft Visual C++ 6.0, Java 1.2, and C++
Contact and Profile Management	Component Framework	Business Logic	Platform Independent	Microsoft Visual C++ 6.0, Java 1.2, and C++
Facilities Management	Component Framework	Business Logic	Platform Independent	Microsoft Visual C++ 6.0, Java 1.2, and C++
Information Retrieval	Component Framework	Business Logic	Platform Independent	Microsoft Visual C++ 6.0, Java 1.2, and C++
Information Sharing	Component Framework	Business Logic	Platform Independent	Microsoft Visual C++ 6.0, Java 1.2, and C++
Knowledge Capture	Component Framework	Business Logic	Platform Independent	Microsoft Visual C++ 6.0, Java 1.2, and C++
Portfolio Management	Component Framework	Business Logic	Platform Independent	Microsoft Visual C++ 6.0, Java 1.2, and C++
Process Tracking	Component Framework	Business Logic	Platform Independent	Microsoft Visual C++ 6.0, Java 1.2, and C++
Property / Asset Management	Component Framework	Business Logic	Platform Independent	Microsoft Visual C++ 6.0, Java 1.2, and C++
Standardized / Canned	Component Framework	Business Logic	Platform Independent	Microsoft Visual C++ 6.0, Java 1.2, and C++
Activity-Based Management	Component Framework	Data Interchange	Data Exchange	Electronic Business using XML (ebXML)
Business Rule Management	Component Framework	Data Interchange	Data Exchange	Electronic Business using XML (ebXML)
Data Integration	Component Framework	Data Interchange	Data Exchange	Electronic Business using XML (ebXML)
Data Mart	Component Framework	Data Interchange	Data Exchange	Electronic Business using XML (ebXML)
Extraction and Transformation	Component Framework	Data Interchange	Data Exchange	Electronic Business using XML (ebXML)
OLAP	Component Framework	Data Interchange	Data Exchange	Electronic Business using XML (ebXML)
Activity-Based Management	Component Framework	Data Management	Database Connectivity	Java Database Connectivity (JDBC)
Business Rule Management	Component Framework	Data Management	Database Connectivity	Java Database Connectivity (JDBC)
Data Integration	Component Framework	Data Management	Database Connectivity	Java Database Connectivity (JDBC)
Data Integration	Component Framework	Data Management	Database Connectivity	Java Database Connectivity (JDBC)
OLAP	Component Framework	Data Management	Database Connectivity	Java Database Connectivity (JDBC)
Data Mart	Component Framework	Data Management	Database Connectivity	Java Database Connectivity (JDBC), Web SQL 1.2 / Unspecified, and Nomad 6.50a
Extraction and	Component	Data	Database	Java Database Connectivity

FEA SRM Component	FEA TRM Service Area	FEA TRM Service Category	FEA TRM Service Standard	Service Specification (i.e. vendor or product name)
Transformation	Framework	Management	Connectivity	(JDBC), Web SQL 1.2 / Unspecified, and Nomad 6.50a
Ad Hoc	Component Framework	Data Management	Database Connectivity	Nomad 6.50a
Asset Cataloging / Identification	Component Framework	Data Management	Database Connectivity	Nomad 6.50a
Case Management	Component Framework	Data Management	Database Connectivity	Nomad 6.50a
Contact and Profile Management	Component Framework	Data Management	Database Connectivity	Nomad 6.50a
Facilities Management	Component Framework	Data Management	Database Connectivity	Nomad 6.50a
Inbound Correspondence Management	Component Framework	Data Management	Database Connectivity	Nomad 6.50a
Information Retrieval	Component Framework	Data Management	Database Connectivity	Nomad 6.50a
Information Sharing	Component Framework	Data Management	Database Connectivity	Nomad 6.50a
Knowledge Capture	Component Framework	Data Management	Database Connectivity	Nomad 6.50a
Loading and Archiving	Component Framework	Data Management	Database Connectivity	Nomad 6.50a
Portfolio Management	Component Framework	Data Management	Database Connectivity	Nomad 6.50a
Process Tracking	Component Framework	Data Management	Database Connectivity	Nomad 6.50a
Property / Asset Management	Component Framework	Data Management	Database Connectivity	Nomad 6.50a
Standardized / Canned	Component Framework	Data Management	Database Connectivity	Nomad 6.50a
Loading and Archiving	Component Framework	Data Management	Database Connectivity	Web SQL 1.2 / Unspecified
Community Management	Component Framework	Data Management	Database Connectivity	Web SQL 1.2 / Unspecified, and Nomad 6.50a
Data Warehouse	Component Framework	Data Management	Database Connectivity	Web SQL 1.2 / Unspecified, and Nomad 6.50a
Data Exchange	Component Framework	Data Management	Database Connectivity	Web SQL 1.2 / Unspecified, Nomad 6.50a
Asset Cataloging / Identification	Component Framework	Data Management	Reporting and Analysis	Actuate 3.2.2.1 / v5.0, and DEPCON Central v5r2
Case Management	Component Framework	Data Management	Reporting and Analysis	Actuate 3.2.2.1 / v5.0, and DEPCON Central v5r2
Contact and Profile Management	Component Framework	Data Management	Reporting and Analysis	Actuate 3.2.2.1 / v5.0, and DEPCON Central v5r2
Facilities Management	Component Framework	Data Management	Reporting and Analysis	Actuate 3.2.2.1 / v5.0, and DEPCON Central v5r2
Information Retrieval	Component Framework	Data Management	Reporting and Analysis	Actuate 3.2.2.1 / v5.0, and DEPCON Central v5r2
Information Sharing	Component Framework	Data Management	Reporting and Analysis	Actuate 3.2.2.1 / v5.0, and DEPCON Central v5r2
Knowledge Capture	Component Framework	Data Management	Reporting and Analysis	Actuate 3.2.2.1 / v5.0, and DEPCON Central v5r2

FEA SRM Component	FEA TRM Service Area	FEA TRM Service Category	FEA TRM Service Standard	Service Specification (i.e. vendor or product name)
Portfolio Management	Component Framework	Data Management	Reporting and Analysis	Actuate 3.2.2.1 / v5.0, and DEPCON Central v5r2
Process Tracking	Component Framework	Data Management	Reporting and Analysis	Actuate 3.2.2.1 / v5.0, and DEPCON Central v5r2
Property / Asset Management	Component Framework	Data Management	Reporting and Analysis	Actuate 3.2.2.1 / v5.0, and DEPCON Central v5r2
Standardized / Canned	Component Framework	Data Management	Reporting and Analysis	Actuate 3.2.2.1 / v5.0, and DEPCON Central v5r2, and Microstrategy 8.0
Ad Hoc	Component Framework	Data Management	Reporting and Analysis	Microstrategy 8.0
Data Warehouse	Component Framework	Data Management	Reporting and Analysis	Microstrategy 8.0
Mathematical	Component Framework	Data Management	Reporting and Analysis	Microstrategy 8.0
OLAP	Component Framework	Data Management	Reporting and Analysis	Microstrategy 8.0
Activity-Based Management	Component Framework	Presentation / Interface	Content Rendering	Dynamic HTML (DHTML)
Business Rule Management	Component Framework	Presentation / Interface	Content Rendering	Dynamic HTML (DHTML)
Data Integration	Component Framework	Presentation / Interface	Content Rendering	Dynamic HTML (DHTML)
Data Mart	Component Framework	Presentation / Interface	Content Rendering	Dynamic HTML (DHTML)
Extraction and Transformation	Component Framework	Presentation / Interface	Content Rendering	Dynamic HTML (DHTML)
OLAP	Component Framework	Presentation / Interface	Content Rendering	Dynamic HTML (DHTML)
Activity-Based Management	Component Framework	Presentation / Interface	Dynamic Server-Side Display	Java Server Pages (JSP)
Business Rule Management	Component Framework	Presentation / Interface	Dynamic Server-Side Display	Java Server Pages (JSP)
Data Integration	Component Framework	Presentation / Interface	Dynamic Server-Side Display	Java Server Pages (JSP)
Data Mart	Component Framework	Presentation / Interface	Dynamic Server-Side Display	Java Server Pages (JSP)
Extraction and Transformation	Component Framework	Presentation / Interface	Dynamic Server-Side Display	Java Server Pages (JSP)
OLAP	Component Framework	Presentation / Interface	Dynamic Server-Side Display	Java Server Pages (JSP)
Activity-Based Management	Component Framework	Presentation / Interface	Static Display	Hyper Text Markup Language (HTML)
Business Rule Management	Component Framework	Presentation / Interface	Static Display	Hyper Text Markup Language (HTML)
Data Integration	Component Framework	Presentation / Interface	Static Display	Hyper Text Markup Language (HTML)
Data Mart	Component Framework	Presentation / Interface	Static Display	Hyper Text Markup Language (HTML)
Extraction and Transformation	Component Framework	Presentation / Interface	Static Display	Hyper Text Markup Language (HTML)
OLAP	Component Framework	Presentation / Interface	Static Display	Hyper Text Markup Language (HTML)
Activity-Based Management	Component Framework	Security	Certificates / Digital Signatures	Secure Sockets Layer (SSL)



FEA SRM Component	FEA TRM Service Area	FEA TRM Service Category	FEA TRM Service Standard	Service Specification (i.e. vendor or product name)
Business Rule Management	Component Framework	Security	Certificates / Digital Signatures	Secure Sockets Layer (SSL)
Data Integration	Component Framework	Security	Certificates / Digital Signatures	Secure Sockets Layer (SSL)
Data Mart	Component Framework	Security	Certificates / Digital Signatures	Secure Sockets Layer (SSL)
Extraction and Transformation	Component Framework	Security	Certificates / Digital Signatures	Secure Sockets Layer (SSL)
OLAP	Component Framework	Security	Certificates / Digital Signatures	Secure Sockets Layer (SSL)
Activity-Based Management	Component Framework	Security	Supporting Security Services	Secure Shell (SSH)
Business Rule Management	Component Framework	Security	Supporting Security Services	Secure Shell (SSH)
Asset Cataloging / Identification	Service Access and Delivery	Access Channels	Collaboration / Communications	Microlog Envoy
Case Management	Service Access and Delivery	Access Channels	Collaboration / Communications	Microlog Envoy
Contact and Profile Management	Service Access and Delivery	Access Channels	Collaboration / Communications	Microlog Envoy
Facilities Management	Service Access and Delivery	Access Channels	Collaboration / Communications	Microlog Envoy
Information Retrieval	Service Access and Delivery	Access Channels	Collaboration / Communications	Microlog Envoy
Information Sharing	Service Access and Delivery	Access Channels	Collaboration / Communications	Microlog Envoy
Knowledge Capture	Service Access and Delivery	Access Channels	Collaboration / Communications	Microlog Envoy
Portfolio Management	Service Access and Delivery	Access Channels	Collaboration / Communications	Microlog Envoy
Process Tracking	Service Access and Delivery	Access Channels	Collaboration / Communications	Microlog Envoy
Property / Asset Management	Service Access and Delivery	Access Channels	Collaboration / Communications	Microlog Envoy
Standardized / Canned	Service Access and Delivery	Access Channels	Collaboration / Communications	Microlog Envoy
Activity-Based Management	Service Access and Delivery	Access Channels	Web Browser	Internet Explorer 6.0
Business Rule Management	Service Access and Delivery	Access Channels	Web Browser	Internet Explorer 6.0
Contact and Profile Management	Service Access and Delivery	Access Channels	Web Browser	Internet Explorer 6.0
Customer Analytics	Service Access and Delivery	Access Channels	Web Browser	Internet Explorer 6.0
Data Integration	Service Access and Delivery	Access Channels	Web Browser	Internet Explorer 6.0
Data Mart	Service Access and Delivery	Access Channels	Web Browser	Internet Explorer 6.0
Digital Signature Management	Service Access and Delivery	Access Channels	Web Browser	Internet Explorer 6.0
Extraction and Transformation	Service Access and Delivery	Access Channels	Web Browser	Internet Explorer 6.0
OLAP	Service Access	Access	Web Browser	Internet Explorer 6.0



FEA SRM Component	FEA TRM Service Area	FEA TRM Service Category	FEA TRM Service Standard	Service Specification (i.e. vendor or product name)
	and Delivery	Channels		
Partner Relationship Management	Service Access and Delivery	Access Channels	Web Browser	Internet Explorer 6.0
Activity-Based Management	Service Access and Delivery	Delivery Channels	Internet	
Business Rule Management	Service Access and Delivery	Delivery Channels	Internet	
Data Integration	Service Access and Delivery	Delivery Channels	Internet	
Data Mart	Service Access and Delivery	Delivery Channels	Internet	
Extraction and Transformation	Service Access and Delivery	Delivery Channels	Internet	
OLAP	Service Access and Delivery	Delivery Channels	Internet	
Ad Hoc	Service Access and Delivery	Service Requirements	Authentication / Single Sign-on	iPlanet 4.0 LDAP
Case Management	Service Access and Delivery	Service Requirements	Authentication / Single Sign-on	iPlanet 4.0 LDAP
Data Exchange	Service Access and Delivery	Service Requirements	Authentication / Single Sign-on	iPlanet 4.0 LDAP
Inbound Correspondence Management	Service Access and Delivery	Service Requirements	Authentication / Single Sign-on	iPlanet 4.0 LDAP
Information Retrieval	Service Access and Delivery	Service Requirements	Authentication / Single Sign-on	iPlanet 4.0 LDAP
Information Sharing	Service Access and Delivery	Service Requirements	Authentication / Single Sign-on	iPlanet 4.0 LDAP
Knowledge Capture	Service Access and Delivery	Service Requirements	Authentication / Single Sign-on	iPlanet 4.0 LDAP
Process Tracking	Service Access and Delivery	Service Requirements	Authentication / Single Sign-on	iPlanet 4.0 LDAP
Standardized / Canned	Service Access and Delivery	Service Requirements	Authentication / Single Sign-on	iPlanet 4.0 LDAP
Identification and Authentication	Service Access and Delivery	Service Requirements	Authentication / Single Sign-on	webthority 4.01 (transitioning to siteminder)
Activity-Based Management	Service Access and Delivery	Service Transport	Service Transport	Hyper Text Transfer Protocol Secure (HTTPS)
Business Rule Management	Service Access and Delivery	Service Transport	Service Transport	Hyper Text Transfer Protocol Secure (HTTPS)
Data Integration	Service Access and Delivery	Service Transport	Service Transport	Hyper Text Transfer Protocol Secure (HTTPS)
Data Mart	Service Access and Delivery	Service Transport	Service Transport	Hyper Text Transfer Protocol Secure (HTTPS)
Extraction and Transformation	Service Access and Delivery	Service Transport	Service Transport	Hyper Text Transfer Protocol Secure (HTTPS)
OLAP	Service Access and Delivery	Service Transport	Service Transport	Hyper Text Transfer Protocol Secure (HTTPS)
Contact and Profile Management	Service Access and Delivery	Service Transport	Supporting Network Services	GigaBit network controller
Customer Analytics	Service Access and Delivery	Service Transport	Supporting Network Services	GigaBit network controller
Digital Signature	Service Access	Service	Supporting	GigaBit network controller

FEA SRM Component	FEA TRM Service Area	FEA TRM Service Category	FEA TRM Service Standard	Service Specification (i.e. vendor or product name)
Management	and Delivery	Transport	Network Services	
Partner Relationship Management	Service Access and Delivery	Service Transport	Supporting Network Services	GigaBit network controller
Activity-Based Management	Service Interface and Integration	Integration	Enterprise Application Integration	Business Process Management
Business Rule Management	Service Interface and Integration	Integration	Enterprise Application Integration	Business Process Management
Data Integration	Service Interface and Integration	Integration	Enterprise Application Integration	Business Process Management
Data Mart	Service Interface and Integration	Integration	Enterprise Application Integration	Business Process Management
Extraction and Transformation	Service Interface and Integration	Integration	Enterprise Application Integration	Business Process Management
OLAP	Service Interface and Integration	Integration	Enterprise Application Integration	Business Process Management
Activity-Based Management	Service Interface and Integration	Integration	Middleware	Database Access: PL/SQL
Business Rule Management	Service Interface and Integration	Integration	Middleware	Database Access: PL/SQL
Data Integration	Service Interface and Integration	Integration	Middleware	Database Access: PL/SQL
OLAP	Service Interface and Integration	Integration	Middleware	Database Access: PL/SQL
Extraction and Transformation	Service Interface and Integration	Integration	Middleware	Database Access: PL/SQL and TIP 1100
Community Management	Service Interface and Integration	Integration	Middleware	TIP 1100
Data Exchange	Service Interface and Integration	Integration	Middleware	TIP 1100
Data Warehouse	Service Interface and Integration	Integration	Middleware	TIP 1100
Loading and Archiving	Service Interface and Integration	Integration	Middleware	TIP 1100
Customer Analytics	Service Platform and Infrastructure	Database / Storage	Database	300 GB disk space on RAID 5
Property / Asset Management	Service Platform and Infrastructure	Database / Storage	Database	IMS
Facilities Management	Service Platform and	Database / Storage	Database	Microsoft Access 95/97 and IMS

FEA SRM Component	FEA TRM Service Area	FEA TRM Service Category	FEA TRM Service Standard	Service Specification (i.e. vendor or product name)
	Infrastructure			
Information Retrieval	Service Platform and Infrastructure	Database / Storage	Database	Microsoft Access 95/97 and IMS
Community Management	Service Platform and Infrastructure	Database / Storage	Database	Microsoft Access 95/97 and UDS DMS
Extraction and Transformation	Service Platform and Infrastructure	Database / Storage	Database	Microsoft Access 95/97 and UDS DMS
Loading and Archiving	Service Platform and Infrastructure	Database / Storage	Database	Microsoft Access 95/97 and UDS DMS
Data Exchange	Service Platform and Infrastructure	Database / Storage	Database	Microsoft Access 95/97, and UDS DMS
Data Mart	Service Platform and Infrastructure	Database / Storage	Database	Microsoft Access 95/97, Oracle 10, and UDS DMS
Data Warehouse	Service Platform and Infrastructure	Database / Storage	Database	Microsoft Access 95/97, Oracle 10, and UDS DMS
Case Management	Service Platform and Infrastructure	Database / Storage	Database	Microsoft Access 95/97, SQL 6.0, and IMS
Contact and Profile Management	Service Platform and Infrastructure	Database / Storage	Database	Microsoft Access 95/97, Sybase SQL Central, 300 GB disk space on RAID 5, and IMS
Asset Cataloging / Identification	Service Platform and Infrastructure	Database / Storage	Database	Microsoft Access 95/97, Sybase SQL Central, and IMS
Activity-Based Management	Service Platform and Infrastructure	Database / Storage	Database	Oracle
Business Rule Management	Service Platform and Infrastructure	Database / Storage	Database	Oracle
Data Integration	Service Platform and Infrastructure	Database / Storage	Database	Oracle
Data Mart	Service Platform and Infrastructure	Database / Storage	Database	Oracle
Extraction and Transformation	Service Platform and Infrastructure	Database / Storage	Database	Oracle
OLAP	Service Platform and Infrastructure	Database / Storage	Database	Oracle
Ad Hoc	Service Platform and Infrastructure	Database / Storage	Database	Oracle 10
Mathematical	Service Platform and Infrastructure	Database / Storage	Database	Oracle 10
OLAP	Service Platform and	Database / Storage	Database	Oracle 10

FEA SRM Component	FEA TRM Service Area	FEA TRM Service Category	FEA TRM Service Standard	Service Specification (i.e. vendor or product name)
	Infrastructure			
Asset Cataloging / Identification	Service Platform and Infrastructure	Delivery Servers	Application Servers	ColdFusion 3.0 / 3.1 / 4.0.1/ 4.5.1 / ColdFusion Enterprise
Case Management	Service Platform and Infrastructure	Delivery Servers	Application Servers	ColdFusion 3.0 / 3.1 / 4.0.1/ 4.5.1 / ColdFusion Enterprise
Community Management	Service Platform and Infrastructure	Delivery Servers	Application Servers	ColdFusion 3.0 / 3.1 / 4.0.1/ 4.5.1 / ColdFusion Enterprise
Contact and Profile Management	Service Platform and Infrastructure	Delivery Servers	Application Servers	ColdFusion 3.0 / 3.1 / 4.0.1/ 4.5.1 / ColdFusion Enterprise
Data Exchange	Service Platform and Infrastructure	Delivery Servers	Application Servers	ColdFusion 3.0 / 3.1 / 4.0.1/ 4.5.1 / ColdFusion Enterprise
Data Warehouse	Service Platform and Infrastructure	Delivery Servers	Application Servers	ColdFusion 3.0 / 3.1 / 4.0.1/ 4.5.1 / ColdFusion Enterprise
Extraction and Transformation	Service Platform and Infrastructure	Delivery Servers	Application Servers	ColdFusion 3.0 / 3.1 / 4.0.1/ 4.5.1 / ColdFusion Enterprise
Facilities Management	Service Platform and Infrastructure	Delivery Servers	Application Servers	ColdFusion 3.0 / 3.1 / 4.0.1/ 4.5.1 / ColdFusion Enterprise
Information Retrieval	Service Platform and Infrastructure	Delivery Servers	Application Servers	ColdFusion 3.0 / 3.1 / 4.0.1/ 4.5.1 / ColdFusion Enterprise
Information Sharing	Service Platform and Infrastructure	Delivery Servers	Application Servers	ColdFusion 3.0 / 3.1 / 4.0.1/ 4.5.1 / ColdFusion Enterprise
Knowledge Capture	Service Platform and Infrastructure	Delivery Servers	Application Servers	ColdFusion 3.0 / 3.1 / 4.0.1/ 4.5.1 / ColdFusion Enterprise
Loading and Archiving	Service Platform and Infrastructure	Delivery Servers	Application Servers	ColdFusion 3.0 / 3.1 / 4.0.1/ 4.5.1 / ColdFusion Enterprise
Portfolio Management	Service Platform and Infrastructure	Delivery Servers	Application Servers	ColdFusion 3.0 / 3.1 / 4.0.1/ 4.5.1 / ColdFusion Enterprise
Process Tracking	Service Platform and Infrastructure	Delivery Servers	Application Servers	ColdFusion 3.0 / 3.1 / 4.0.1/ 4.5.1 / ColdFusion Enterprise
Property / Asset Management	Service Platform and Infrastructure	Delivery Servers	Application Servers	ColdFusion 3.0 / 3.1 / 4.0.1/ 4.5.1 / ColdFusion Enterprise
Standardized / Canned	Service Platform and Infrastructure	Delivery Servers	Application Servers	ColdFusion 3.0 / 3.1 / 4.0.1/ 4.5.1 / ColdFusion Enterprise
Contact and Profile Management	Service Platform and Infrastructure	Delivery Servers	Application Servers	Sun 8 Application Server and Sun J2EE Server 7
Customer Analytics	Service Platform and Infrastructure	Delivery Servers	Application Servers	Sun J2EE Server 7, Sun 8 App server, and Iplanet 6.0
Digital Signature Management	Service Platform and	Delivery Servers	Application Servers	Sun J2EE Server 7, Sun 8 App server, and Iplanet 6.0

FEA SRM Component	FEA TRM Service Area	FEA TRM Service Category	FEA TRM Service Standard	Service Specification (i.e. vendor or product name)
	Infrastructure			
Partner Relationship Management	Service Platform and Infrastructure	Delivery Servers	Application Servers	Sun J2EE Server 7, Sun 8 App server, and Iplanet 6.0
Identification and Authentication	Service Platform and Infrastructure	Delivery Servers	Application Servers	SUN Java Server
Identification and Authentication	Service Platform and Infrastructure	Delivery Servers	Application Servers	Sybase 12.5
Digital Signature Management	Service Platform and Infrastructure	Delivery Servers	Application Servers	Sybase 12.5.3 (To be upgraded to Sybase 15), and 300 GB disk space on RAID 5
Partner Relationship Management	Service Platform and Infrastructure	Delivery Servers	Application Servers	Sybase 12.5.3 (To be upgraded to Sybase 15), and 300 GB disk space on RAID 5
Inbound Correspondence Management	Service Platform and Infrastructure	Delivery Servers	Application Servers	Sybase version unspecified / 11.0 / 11.1.1 / 11.5.1 / 11.5.1.1 / 11.5.2 / 11.9 / 12
Information Retrieval	Service Platform and Infrastructure	Delivery Servers	Application Servers	Sybase version unspecified / 11.0 / 11.1.1 / 11.5.1 / 11.5.1.1 / 11.5.2 / 11.9 / 12
Process Tracking	Service Platform and Infrastructure	Delivery Servers	Application Servers	Sybase version unspecified / 11.0 / 11.1.1 / 11.5.1 / 11.5.1.1 / 11.5.2 / 11.9 / 12, Access 95/97, and Sybase SQL Central
Information Sharing	Service Platform and Infrastructure	Delivery Servers	Application Servers	Sybase version unspecified / 11.0 / 11.1.1 / 11.5.1 / 11.5.1.1 / 11.5.2 / 11.9 / 12, IMS, and Access 95/97
Knowledge Capture	Service Platform and Infrastructure	Delivery Servers	Application Servers	Sybase version unspecified / 11.0 / 11.1.1 / 11.5.1 / 11.5.1.1 / 11.5.2 / 11.9 / 12, IMS, and Access 95/97, and Sybasae SQL Central
Standardized / Canned	Service Platform and Infrastructure	Delivery Servers	Application Servers	Sybase version unspecified / 11.0 / 11.1.1 / 11.5.1 / 11.5.1.1 / 11.5.2 / 11.9 / 12, Sybase SQL Central, Oracle 10, and IMS
Contact and Profile Management	Service Platform and Infrastructure	Delivery Servers	Web Servers	Sun Web Server 6
Customer Analytics	Service Platform and Infrastructure	Delivery Servers	Web Servers	Sun Web Server 6
Digital Signature Management	Service Platform and Infrastructure	Delivery Servers	Web Servers	Sun Web Server 6
Partner Relationship Management	Service Platform and Infrastructure	Delivery Servers	Web Servers	Sun Web Server 6
Customer Analytics	Service Platform and Infrastructure	Hardware / Infrastructure	Servers / Computers	SUN SPARC multi-processor servers running Solaris 8 (To be upgraded to Solaris 10), 700MHz 2 MB cache Xeon processors, and Dell 8450
Digital Signature	Service	Hardware /	Servers /	SUN SPARC multi-processor

FEA SRM Component	FEA TRM Service Area	FEA TRM Service Category	FEA TRM Service Standard	Service Specification (i.e. vendor or product name)
Management	Platform and Infrastructure	Infrastructure	Computers	servers running Solaris 8 (To be upgraded to Solaris 10), 700MHz 2 MB cache Xeon processors, and Dell 8450
Contact and Profile Management	Service Platform and Infrastructure	Hardware / Infrastructure	Servers / Computers	SUN SPARC multi-processor servers running Solaris 8 (To be upgraded to Solaris 10), 700MHz 2 MB cache Xeon processors, DELL multi-processor (currently 8x) running Windows 2000 server, and Dell 8450
Partner Relationship Management	Service Platform and Infrastructure	Hardware / Infrastructure	Servers / Computers	SUN SPARC multi-processor servers running Solaris 8 (To be upgraded to Solaris 10), 700MHz 2 MB cache Xeon processors, DELL multi-processor (currently 8x) running Windows 2000 server, and Dell 8450
Identification and Authentication	Service Platform and Infrastructure	Hardware / Infrastructure	Servers / Computers	Windows NT
Community Management	Service Platform and Infrastructure	Software Engineering	Integrated Development Environment	Cool Gen 4.1A / 6.0
Data Exchange	Service Platform and Infrastructure	Software Engineering	Integrated Development Environment	Cool Gen 4.1A / 6.0
Data Integration	Service Platform and Infrastructure	Software Engineering	Integrated Development Environment	Cool Gen 4.1A / 6.0
Data Warehouse	Service Platform and Infrastructure	Software Engineering	Integrated Development Environment	Cool Gen 4.1A / 6.0
Extraction and Transformation	Service Platform and Infrastructure	Software Engineering	Integrated Development Environment	Cool Gen 4.1A / 6.0
Loading and Archiving	Service Platform and Infrastructure	Software Engineering	Integrated Development Environment	Cool Gen 4.1A / 6.0
Data Mart	Service Platform and Infrastructure	Software Engineering	Integrated Development Environment	Cool Gen 4.1A / 6.0 and Sun Java Studio
Identification and Authentication	Service Platform and Infrastructure	Software Engineering	Integrated Development Environment	jDeveloper
Activity-Based Management	Service Platform and Infrastructure	Software Engineering	Integrated Development Environment	Sun Java Studio
Business Rule Management	Service Platform and Infrastructure	Software Engineering	Integrated Development Environment	Sun Java Studio
OLAP	Service Platform and Infrastructure	Software Engineering	Integrated Development Environment	Sun Java Studio
Community Management	Service Platform and Infrastructure	Software Engineering	Modeling	Oracle Designer 2000
Data Exchange	Service	Software	Modeling	Oracle Designer 2000

FEA SRM Component	FEA TRM Service Area	FEA TRM Service Category	FEA TRM Service Standard	Service Specification (i.e. vendor or product name)
	Platform and Infrastructure	Engineering		
Data Warehouse	Service Platform and Infrastructure	Software Engineering	Modeling	Oracle Designer 2000
Extraction and Transformation	Service Platform and Infrastructure	Software Engineering	Modeling	Oracle Designer 2000
Loading and Archiving	Service Platform and Infrastructure	Software Engineering	Modeling	Oracle Designer 2000
Asset Cataloging / Identification	Service Platform and Infrastructure	Software Engineering	Software Configuration Management	Eastman Enterprise Work Management and PVCS
Business Rule Management	Service Platform and Infrastructure	Software Engineering	Software Configuration Management	Eastman Enterprise Work Management and PVCS
Case Management	Service Platform and Infrastructure	Software Engineering	Software Configuration Management	Eastman Enterprise Work Management and PVCS
Contact and Profile Management	Service Platform and Infrastructure	Software Engineering	Software Configuration Management	Eastman Enterprise Work Management and PVCS
Facilities Management	Service Platform and Infrastructure	Software Engineering	Software Configuration Management	Eastman Enterprise Work Management and PVCS
Information Retrieval	Service Platform and Infrastructure	Software Engineering	Software Configuration Management	Eastman Enterprise Work Management and PVCS
Information Sharing	Service Platform and Infrastructure	Software Engineering	Software Configuration Management	Eastman Enterprise Work Management and PVCS
Knowledge Capture	Service Platform and Infrastructure	Software Engineering	Software Configuration Management	Eastman Enterprise Work Management and PVCS
Portfolio Management	Service Platform and Infrastructure	Software Engineering	Software Configuration Management	Eastman Enterprise Work Management and PVCS
Process Tracking	Service Platform and Infrastructure	Software Engineering	Software Configuration Management	Eastman Enterprise Work Management and PVCS
Standardized / Canned	Service Platform and Infrastructure	Software Engineering	Software Configuration Management	Eastman Enterprise Work Management and PVCS
Activity-Based Management	Service Platform and Infrastructure	Software Engineering	Software Configuration Management	Version Management
Data Integration	Service Platform and Infrastructure	Software Engineering	Software Configuration Management	Version Management
Data Mart	Service Platform and Infrastructure	Software Engineering	Software Configuration Management	Version Management
Extraction and Transformation	Service Platform and Infrastructure	Software Engineering	Software Configuration Management	Version Management
OLAP	Service	Software	Software	Version Management



FEA SRM Component	FEA TRM Service Area	FEA TRM Service Category	FEA TRM Service Standard	Service Specification (i.e. vendor or product name)
	Platform and Infrastructure	Engineering	Configuration Management	
Activity-Based Management	Service Platform and Infrastructure	Software Engineering	Test Management	Functional Testing
Business Rule Management	Service Platform and Infrastructure	Software Engineering	Test Management	Functional Testing
Data Integration	Service Platform and Infrastructure	Software Engineering	Test Management	Functional Testing
Data Mart	Service Platform and Infrastructure	Software Engineering	Test Management	Functional Testing
Extraction and Transformation	Service Platform and Infrastructure	Software Engineering	Test Management	Functional Testing
OLAP	Service Platform and Infrastructure	Software Engineering	Test Management	Functional Testing
Community Management	Service Platform and Infrastructure	Support Platforms	Platform Dependent	Microsoft Windows 3.1 / 95
Data Warehouse	Service Platform and Infrastructure	Support Platforms	Platform Dependent	Microsoft Windows 3.1 / 95
Extraction and Transformation	Service Platform and Infrastructure	Support Platforms	Platform Dependent	Microsoft Windows 3.1 / 95
Loading and Archiving	Service Platform and Infrastructure	Support Platforms	Platform Dependent	Microsoft Windows 3.1 / 95
Asset Cataloging / Identification	Service Platform and Infrastructure	Support Platforms	Platform Dependent	Microsoft Windows NT 3.51 / 4.0 SP5 / 4.0 SP6 and SP6a / version unspecified
Contact and Profile Management	Service Platform and Infrastructure	Support Platforms	Platform Dependent	Microsoft Windows NT 3.51 / 4.0 SP5 / 4.0 SP6 and SP6a / version unspecified
Facilities Management	Service Platform and Infrastructure	Support Platforms	Platform Dependent	Microsoft Windows NT 3.51 / 4.0 SP5 / 4.0 SP6 and SP6a / version unspecified
Portfolio Management	Service Platform and Infrastructure	Support Platforms	Platform Dependent	Microsoft Windows NT 3.51 / 4.0 SP5 / 4.0 SP6 and SP6a / version unspecified
Property / Asset Management	Service Platform and Infrastructure	Support Platforms	Platform Dependent	Microsoft Windows NT 3.51 / 4.0 SP5 / 4.0 SP6 and SP6a / version unspecified
Ad Hoc	Service Platform and Infrastructure	Support Platforms	Platform Dependent	Microsoft Windows NT 3.51 / 4.0 SP5 / 4.0 SP6 and SP6a / version unspecified and UNIX
Case Management	Service Platform and Infrastructure	Support Platforms	Platform Dependent	Microsoft Windows NT 3.51 / 4.0 SP5 / 4.0 SP6 and SP6a / version unspecified and UNIX
Inbound Correspondence Management	Service Platform and Infrastructure	Support Platforms	Platform Dependent	Microsoft Windows NT 3.51 / 4.0 SP5 / 4.0 SP6 and SP6a / version unspecified and UNIX
Information	Service	Support	Platform	Microsoft Windows NT 3.51 / 4.0



FEA SRM Component	FEA TRM Service Area	FEA TRM Service Category	FEA TRM Service Standard	Service Specification (i.e. vendor or product name)
Retrieval	Platform and Infrastructure	Platforms	Dependent	SP5 / 4.0 SP6 and SP6a / version unspecified and UNIX
Information Sharing	Service Platform and Infrastructure	Support Platforms	Platform Dependent	Microsoft Windows NT 3.51 / 4.0 SP5 / 4.0 SP6 and SP6a / version unspecified and UNIX
Knowledge Capture	Service Platform and Infrastructure	Support Platforms	Platform Dependent	Microsoft Windows NT 3.51 / 4.0 SP5 / 4.0 SP6 and SP6a / version unspecified and UNIX
Process Tracking	Service Platform and Infrastructure	Support Platforms	Platform Dependent	Microsoft Windows NT 3.51 / 4.0 SP5 / 4.0 SP6 and SP6a / version unspecified and UNIX
Standardized / Canned	Service Platform and Infrastructure	Support Platforms	Platform Dependent	Microsoft Windows NT 3.51 / 4.0 SP5 / 4.0 SP6 and SP6a / version unspecified and UNIX
Data Exchange	Service Platform and Infrastructure	Support Platforms	Platform Dependent	Microsoft Windows NT 3.51 / 4.0 SP5 / 4.0 SP6 and SP6a / version unspecified, Microsoft Windows 3.1 / 95, and UNIX
Activity-Based Management	Service Platform and Infrastructure	Support Platforms	Platform Independent	Java 2 Platform Enterprise Edition (J2EE) and Oracle 9i RDBMS
Business Rule Management	Service Platform and Infrastructure	Support Platforms	Platform Independent	Java 2 Platform Enterprise Edition (J2EE) and Oracle 9i RDBMS
Data Integration	Service Platform and Infrastructure	Support Platforms	Platform Independent	Java 2 Platform Enterprise Edition (J2EE) and Oracle 9i RDBMS
Data Mart	Service Platform and Infrastructure	Support Platforms	Platform Independent	Java 2 Platform Enterprise Edition (J2EE) and Oracle 9i RDBMS
Extraction and Transformation	Service Platform and Infrastructure	Support Platforms	Platform Independent	Java 2 Platform Enterprise Edition (J2EE) and Oracle 9i RDBMS
OLAP	Service Platform and Infrastructure	Support Platforms	Platform Independent	Java 2 Platform Enterprise Edition (J2EE) and Oracle 9i RDBMS

Service Components identified in the previous question should be entered in this column. Please enter multiple rows for FEA SRM Components supported by multiple TRM Service Specifications

In the Service Specification field, Agencies should provide information on the specified technical standard or vendor product mapped to the FEA TRM Service Standard, including model or version numbers, as appropriate.

#### *Reuse & Information Sharing BY08*

Will the application leverage existing components and/or No applications across the Government (i.e., FirstGov, Pay.Gov, etc)?

If "yes," please describe how the application will leverage existing components and/or applications across the Government.

Does this investment provide the public with access to a Yes government automated information system?

If "yes," does customer access require specific software Yes (e.g., a specific web browser version)?

If "yes," provide the specific product name(s) and version number(s) of the required software and the date when the public will be able to access this investment by any software (i.e. to ensure equitable and timely access of government information and services). IE 6.0 or higher or compatible Web browser

*FEA Primary Mapping BY08*

FEA Primary Mapping  
 Reference Model: BRM  
 Business Area: Management of Government Resources  
 Line of Business: Information and Technology Management  
 Sub Function: Information Management  
 Mapping Code: 404142

**II.A: ALTERNATIVES ANALYSIS BY08**

*Analysis Background BY08*

Part II should be completed only for investments identified as "Planning" or "Full Acquisition," or "Mixed Life-Cycle" investments in response to Question 6 in Part I, Section A above.

In selecting the best capital asset, you should identify and consider at least three viable alternatives, in addition to the current baseline, i.e., the status quo. Use OMB Circular A-94 for all investments, and the Clinger Cohen Act of 1996 for IT investments, to determine the criteria you should use in your Benefit/Cost Analysis.

Did you conduct an alternatives analysis for this project? Yes  
 If "yes," what is the date of the analysis? 4/7/2006  
 If "no," what is the anticipated date this analysis will be completed?  
 If no analysis is planned, please briefly explain why:

*Alternatives Table BY08*

Use the results of your alternatives analysis to complete the following table:

Alternatives Analysis Results

Send to OMB	Alternative Analyzed	Description of Alternative	Risk Adjusted Lifecycle Costs estimate	Risk Adjusted Lifecycle Benefits estimate
True	Alternative 1 - Status Quo	Consolidates the following systems under a single investment in FY 2008, but maintains the systems in the current separate technical and legacy environments: the Real Estate Management System (REMS), the Active Partners Performance System (APPS), Development Application Processing (DAP), Mark-to-Market (M2M), Multifamily Delinquency & Default Reporting (MDDR), On-line Property Integrated Information System (OPIIS), Network Neighborhoods (NN), and database integration (MFHI Project).	56600	0
True	Alternative 2 - Modernization	Consolidates several systems under a single investment and modernizes each system beginning in FY 07 (REMS) and FY 08 (others) separately IAW HUD's enterprise architecture technical reference model (TRM). The systems include the Real Estate Management System, the Active Partners Performance System, Development Application Processing, Mark-to-Market, Multifamily Delinquency & Default Reporting, On-line Property Integrated Information System, Network Neighborhoods, and the integration project.	79000	50400
True	Alternative 3 - Application Consolidation	Consolidates the following systems under a single investment in FY 2008, modernizes each system, and combines these 7 systems into a single Multifamily Housing integrated system in FY 07 (REMS), FY 08 (APPS/M2M/MDDR), and FY 09 (DAP/OPIIS/NN). This	73100	68100

Send to OMB	Alternative Analyzed	Description of Alternative	Risk Adjusted Lifecycle Costs estimate	Risk Adjusted Lifecycle Benefits estimate
		system will meet HUD's enterprise architecture technical reference model (TRM) and provide several advantages over maintaining separate systems from both a technical and functional view. The 7 systems are REMS, DAP, APPS, M2M, MDDR, OPIIS, and NN.		
True	Alternative 4 - Partial Application Consolidation	Consolidates the 7 systems under a single investment in FY 2008, modernizes each system, and combines these 4 web-based systems into a single Multifamily Housing integrated system in FY 07 (REMS), FY 08 (APPS/M2M/MDDR), . This system will meet HUD's enterprise architecture technical reference model (TRM) and provide several advantages over maintaining separate systems from both a technical and functional view. The non web-based systems would be maintained in current form in the short term.	73400	54200

### Selected Alternative BY08

Which alternative was selected by the Initiative Governance process and why was it chosen?

Alternative 3 was chosen. This alternative offers a 243% ROI on development dollars. ROI for the other alternatives are: Alt 1: 0%, Alt 2: 170%, Alt 4: 193%.

**Business Perspective:** This alternative provides the best support for the Multifamily Housing Finance line of business. It consolidates several separate systems into one single application user interface and one single database. It takes a great step to provide one-stop shopping for Multifamily Housing customers. The consolidated system streamlines system processes for field Project Managers and Enforcement Analysts, enhances tracking ability of portfolio level issues, enables greater data sharing within HUD and with external business partners.

**Technical Perspective:** This alternative provides HUD a modernized Multifamily Housing Integrated Real Estate Management System which aligns with the HUD Enterprise Architecture goals. This modernized system provides for significant code reuse among the Asset Development, Asset Management, Business Partner Management, and Asset Disposition business functions. The costs of this alternative were risk adjusted. Schedule risk and dependency risk increased costs of the technology migration tasks by 30%, however lifecycle costs were reduced by 10% per year based on code re-use by the 7 applications.

Alternative 1, while viable, would continue separate applications under legacy software platforms. Under this alternative, maintenance costs would continue to increase and HUD would have to continue to maintain redundant platforms to support HUD's web-based applications. Both Multifamily and PIH, users of the current hudapps web environment are planning for 100% migration to the Java/Oracle environment. Alternatives 2 and 3 would allow HUD to retire the Coldfusion application server platform and the Sybase database platform in these environments.

Alternative 2 is also viable. This alternative would achieve HUD's modernization and Enterprise Architecture alignment goals, but would not provide the one-stop shopping for Multifamily Housing's customers. Development costs would be 10 to 25% higher as the potential for reuse declines.

Alternative 4 is also viable and would be the second best solution. This alternative provides many of the benefits of alternative 3 and consolidates the web-based systems. This would allow for retiring several legacy technologies and still provides a single stop for most Multifamily Housing programs.

What specific qualitative benefits will be realized?

Performance-based contract administrators (PBCAs) supporting HUD's Multifamily Housing section 8 contracts are maintaining contract renewal and property management data in their own management data systems and then re-keying data into HUD's Real Estate Management System (REMS). Initial efforts to provide some of these PBCAs with G2B interfaces using the XML data exchange standard have proven successful. Increased performance and data quality will be the results of expanding this G2B interface and adding a B2G capability to provide systematic feeds between these heterogeneous systems.

HUD has placed additional emphasis on properties whose physical inspection scores are 60 or less. These properties often require re-inspection to ensure compliance. Currently the relationship of the re-inspections against the original inspection are tracked manually. This task will automate this process and provide additional reporting capabilities.

Currently, renewal of expiring Project Rental Assistance Contracts (PRACS) for projects under the Section 202 Program of Supportive Housing for the Elderly and the Section 811 Program of Supportive Housing for Persons with Disabilities are not supported in the

normal REMS automated renewal procedures (or any other MFH system.) This task adds the PRAC renewal process to the REMS contract / processing functions. Owners must submit an operating budget for all projects with an expiring PRAC. If the owner is requesting an increase in project rental assistance, the request must detail project needs and summarize the reasons why an increase in project rental assistance is needed, including necessary increases to the Reserve for Replacement.

Expands the Event Notification system to all iREMS application modules. This process is currently designed for REMS only. This change will include additional rule bases for events to support current APPS, DAP, ARAMS, and MDDR processes. The Event Viewer will be elevated in the system hierarchy to be available to all iREMS users. This function notifies assigned project managers and business partners of actions taken against their assigned properties, contracts, participants, and financing instruments via interfaces, automated events, or other outside processes.

This task adds enhancements to the tracking of asset management responsibilities for Multifamily Housing properties, subsidy contracts, financing instruments, management participants.

## **II.B: RISK MANAGEMENT BY08**

### *Risk Management Plan BY08*

You should have performed a risk assessment during the early planning and initial concept phase of this investment's life-cycle, developed a risk-adjusted life-cycle cost estimate and a plan to eliminate, mitigate or manage risk, and be actively managing risk throughout the investment's life-cycle.

Does the investment have a Risk Management Plan? Yes

What is the date of the risk management plan? 4/26/2006

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

If "yes," describe any significant changes to the Risk Management Plan:

If there currently is no risk plan, will a plan be developed?

If "yes," what is the planned completion date of the risk plan?

If "no," what is the strategy for managing the risks?

### *Investment Risks BY08*

Briefly describe how investment risks are reflected in the life cycle cost estimate and investment schedule:

Each Alternative was evaluated based on the 19 OMB risk categories. For Alternative 1, the maintenance only solution, adjustments based on risks were computed as a percentage per year of on-going adaptive maintenance and operations costs. These percentages are reflected in out years 2 thru 10 of the cost projections. For Alternatives 2 thru 4, each of the risk categories were evaluated for each development initiative. Costs were adjusted during the estimation process of each individual initiative. Therefore, the costs reflected on the OMB-300B worksheet and the alternatives analysis spreadsheet reflect risk adjusted costs. Overall, alternative 1 resulted in a 25% increase per year. Alternative 2 resulted in a 15% risk adjustment based on schedule and a 10% risk adjustment based on dependencies. Alternative 3 resulted in a 20% risk adjustment based on schedule and a 10% adjustment based on dependencies, but a 10% risk reduction based lifecycle cost due mostly to code re-use. Alternative 4 followed the same adjustments as alternative 3 except only calculating a 7% lifecycle reduction.

## **II.C: COST AND SCHEDULE PERFORMANCE BY08**

### *Earned Value BY08*

Does the earned value management system meet the criteria in ANSI/EIA Standard - 748? Yes

Answer the following questions about current cumulative cost and schedule performance. The numbers reported below should reflect current actual information. (Per OMB requirements Cost/Schedule Performance information should include both Government and Contractor Costs):

What is the Planned Value (PV)? 26.757100

What is the Earned Value (EV)? 26.685200

What is the actual cost of work performed (AC)? 26.253400

What costs are included in the reported Cost/Schedule Performance information (Government Only/Contractor Only/Both)? Contractor Only

EVMS "As of" date: 6/30/2006

What is the calculated Schedule Performance Index (SPI = EV/PV)? 0.997000

What is the schedule variance (SV = EV-PV)? -0.072000

What is the calculated Cost Performance Index (CPI = EV/AC)? 1.016000

What is the cost variance (CV = EV-AC)? 0.432000

EVM is required only on DME portions of investments. For mixed lifecycle investments, O&M milestones should still be included in the table (Comparison of Initial Baseline and Current Approved Baseline). This table should accurately reflect the milestones in the initial baseline, as well as milestones in the current baseline.

**Cost/Schedule Variance BY08**

Is the CV% or SV% greater than 10%? (CV%= CV/EV x 100; SV%= SV/PV x 100) **No**

If "yes," was it the CV or SV or both?

If "yes," explain the variance:

If "yes," what corrective actions are being taken?

What is the most current "Estimate at Completion"? **35.604000**

**Performance Baseline BY08**

Have any significant changes been made to the baseline during the past No fiscal year?

Complete the following table to compare actual performance against the current performance baseline and to the initial performance baseline. In the Current Baseline section, for all milestones listed, you should provide both the baseline and actual completion dates (e.g., "03/23/2003"/"04/28/2004") and the baseline and actual total costs (in \$ Millions). In the event that a milestone is not found in both the initial and current baseline, leave the associated cells blank. Note that the 'Description of Milestone' and 'Percent Complete' fields are required. Indicate 0 for any milestone no longer active.

If "yes," when was it approved by OMB?

**Comparison of Initial Baseline and Current Approved Baseline**

Milestone Number	Description of Milestone	Initial Baseline		Current Baseline				Current Baseline Variance		Percent Complete
		Planned Completion Date	Total Cost (Estimated)	Completion Date		Total Cost		Schedule (# days)	Cost	
				Planned	Actual	Planned	Actual			
1	IREMS	02/11/2009	\$25,082,623.379	02/11/2009		\$25,082,623.379				0%
1.1	1.A FY2006 Development	09/30/2006	\$0.500	09/30/2006		\$0.500				0%
1.2	1.B FY2006 Maintenance	09/30/2006	\$4.879	09/30/2006		\$4.879				0%
1.3	IREMS FY 2007 Development Tasks	11/13/2007	\$5,100,004.000	11/13/2007		\$5,100,004.000				0%
1.3.1	A. Project Initiation/Planning	10/01/2007	\$557,950.000	10/01/2007		\$557,950.000				0%
1.3.2	B. Requirements Definition	10/01/2007	\$643,000.000	10/01/2007		\$643,000.000				0%
1.3.3	C. System Design	07/23/2007	\$1,035,880.000	07/23/2007		\$1,035,880.000				0%
1.3.4	D. Software Acquisition	09/28/2007	\$207,330.000	09/28/2007		\$207,330.000				0%
1.3.5	E. Hardware/Infrastructure Acquisition	09/28/2007	\$0.000	09/28/2007		\$0.000				0%
1.3.6	F. New Development/Perfective Maintenance - Program and Database Specifications, Code and Database Construction	10/01/2007	\$1,895,090.000	10/01/2007		\$1,895,090.000				0%
1.3.7	G. Systems Integration & Testing	10/23/2007	\$477,255.000	10/23/2007		\$477,255.000				0%
1.3.8	H. Installation & Deployment	11/13/2007	\$283,499.000	11/13/2007		\$283,499.000				0%
1.4	IREMS FY 2007 Maintenance Tasks	02/11/2009	\$5,599,800.000	02/11/2009		\$5,599,800.000				0%
1.4.1	I. Systems Operation	02/11/2009	\$2,183,922.000	02/11/2009		\$2,183,922.000				0%
1.4.2	J. Corrective and Adaptive Maintenance	10/15/2008	\$3,415,878.000	10/15/2008		\$3,415,878.000				0%
1.5	IREMS FY 2008 Development Tasks	02/11/2009	\$7,782,814.000	02/11/2009		\$7,782,814.000				0%
1.5.1	A. Project Initiation/Planning	05/14/2008	\$524,275.000	05/14/2008		\$524,275.000				0%
1.5.2	B. Requirements Definition	10/01/2008	\$635,248.000	10/01/2008		\$635,248.000				0%

1.5.3	C. System Design	08/07/2008	\$1,097,338.000	08/07/2008		\$1,097,338.000				0%
1.5.4	D. Software Acquisition	09/30/2008	\$150,932.000	09/30/2008		\$150,932.000				0%
1.5.5	E. Hardware/Infrastructure Acquisition	09/30/2008	\$0.000	09/30/2008		\$0.000				0%
1.5.6	F. New Development/Perfective Maintenance - Program and Database Specifications, Code and Database Construction	11/12/2008	\$4,357,525.000	11/12/2008		\$4,357,525.000				0%
1.5.7	G. Systems Integration & Testing	01/22/2009	\$746,143.000	01/22/2009		\$746,143.000				0%
1.5.9	H. Installation & Deployment	02/11/2009	\$271,353.000	02/11/2009		\$271,353.000				0%
1.6	IREMS FY 2008 Maintenance Tasks	02/11/2009	\$6,600,000.000	02/11/2009		\$6,600,000.000				0%
1.6.1	I. Systems Operation	02/11/2009	\$2,574,000.000	02/11/2009		\$2,574,000.000				0%
1.6.2	J. Corrective and Adaptive Maintenance	01/15/2009	\$4,026,000.000	01/15/2009		\$4,026,000.000				0%
<b>Project Totals</b>		<b>02/11/2009</b>	<b>\$25,082,623.379</b>	<b>02/11/2009</b>		<b>\$25,082,623.379</b>				<b>0.00</b>

### III.A: RISK MANAGEMENT BY08

#### Risk Management Plan BY08

Part III should be completed only for investments identified as "Operation and Maintenance" (Steady State) in response to Question 6 in Part I, Section A above.

You should have performed a risk assessment during the early planning and initial concept phase of this investment's life-cycle, developed a risk-adjusted life-cycle cost estimate and a plan to eliminate, mitigate or manage risk, and be actively managing risk throughout the investment's life-cycle.

Does the investment have a Risk Management Plan? Yes

What is the date of the risk management plan? 4/26/2006

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

If "yes," describe any significant changes to the Risk Management Plan:

If there currently is no risk plan, will a plan be developed?

If "yes," what is the planned completion date of the risk plan?

If "no," what is the strategy for managing the risks?

### III.B: COST AND SCHEDULE PERFORMANCE BY08

#### Operational Analysis BY08

Was operational analysis conducted?

If "yes," provide the date the operational analysis was completed.

Please provide a brief summary of the operational analysis results.

If "no," please explain why it was not conducted and if there are any plans to conduct operational analysis in the future:

#### Performance Baseline BY08

Complete the following table to compare actual cost performance against the planned cost performance baseline. Milestones reported may include specific individual scheduled preventative and predictable corrective maintenance activities, or may be the total of planned annual operation and maintenance efforts.

What costs are included in the reported Cost/Schedule Performance information (Government Only/Contractor Only/Both)? Contractor Only

Comparison of Plan vs. Actual Performance Table

Milestone Number	Description of Milestone	Planned		Actual		Variance	
		Completion Date	Total Cost	Completion Date	Total Cost	Schedule (# days)	Cost

Project Totals							
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**IV.A: E-GOV AND LINES OF BUSINESS OVERSIGHT BY08**

*Partners BY08*

Part IV should be completed only for investments identified as an E-Gov initiative or a Line of Business(LOB), i.e., selected the E-Gov and LOB Oversight choice in response to Question 6 in Part I, Section A above. Investments identified as E-Gov and LOB Oversight will complete only Parts I and IV of the exhibit 300.

Multi-agency initiatives, such as E-Gov and LOB initiatives, should develop a joint exhibit 300.

As a joint exhibit 300, please identify the agency stakeholders. Provide the partner agency and partner agency approval date for this joint exhibit 300.

Stakeholder Table

Partner Agency Name	Partner Agency	Joint Exhibit Approval Date
---------------------	----------------	-----------------------------

*Partnering Strategies BY08*

Provide the partnering strategies you are implementing with the participating agencies and organizations. Identify all partner agency capital assets supporting the common solution; Managing Partner capital assets should also be included in this joint exhibit 300. These capital assets should be included in the Summary of Spending table of Part I, Section B. (Partner Agency Asset UPIs should also appear on the Partner Agency's exhibit 53)

Partner Capital Assets within this Investment

Partner Agency Name	Partner Agency	Partner Agency Asset Title	Partner Agency Exhibit 53 UPI (BY2008)
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*Partner Funding BY08*

For jointly funded initiative activities, provide in the "Partner Funding Strategies Table": the name(s) of partner agencies; the UPI of the partner agency investments; and the partner agency contributions for CY and BY. Please indicate partner contribution amounts (in-kind contributions should also be included in this amount) and fee-for-service amounts. (Partner Agency Asset UPIs should also appear on the Partner Agency's exhibit 53. For non-IT fee-for-service amounts the Partner exhibit 53 UPI can be left blank)

Partner Funding Strategies

Partner Agency Name	Partner Agency	Partner exhibit 53 UPI (BY2008)	CY Contribution	CY Fee-for-Service	BY Contribution	BY Fee-for-Service
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*Analysis Background BY08*

An Alternatives Analysis for E-Gov and LOB initiatives should also be obtained. At least three viable alternatives, in addition to the current baseline (i.e., the status quo), should be included in the joint exhibit 300. Use OMB Circular A-94 for all investments, and the Clinger Cohen Act of 1996 for IT investments, to determine the criteria you should use in your Benefit/Cost Analysis.

Did you conduct an alternatives analysis for this project? Yes

If "yes," what is the date of the analysis? 4/7/2006

If "no," what is the anticipated date this analysis will be completed?

If no analysis is planned, please briefly explain why:

*Alternatives Table BY08*

Use the results of your alternatives analysis to complete the following table:

Alternatives Analysis Results

Send to OMB	Alternative Analyzed	Description of Alternative	Risk Adjusted Lifecycle Costs estimate	Risk Adjusted Lifecycle Benefits estimate
True	Alternative 1 - Status Quo	Consolidates the following systems under a single investment in FY 2008, but maintains the systems in the current separate technical and legacy environments: the Real Estate Management System (REMS), the Active Partners Performance System (APPS), Development Application Processing (DAP), Mark-to-Market (M2M), Multifamily Delinquency & Default Reporting (MDDR), On-line Property Integrated Information System (OPIIS), Network Neighborhoods (NN), and database integration (MFHI Project).	56600	0
True	Alternative 2 - Modernization	Consolidates several systems under a single investment and modernizes each system beginning in FY 07 (REMS) and FY 08 (others) separately IAW HUD's enterprise architecture technical reference model (TRM). The systems include the Real Estate Management System, the Active Partners Performance System, Development Application Processing, Mark-to-Market, Multifamily Delinquency & Default Reporting, On-line Property Integrated Information System, Network Neighborhoods, and the integration project.	79000	50400
True	Alternative 3 - Application Consolidation	Consolidates the following systems under a single investment in FY 2008, modernizes each system, and combines these 7 systems into a single Multifamily Housing integrated system in FY 07 (REMS), FY 08 (APPS/M2M/MDDR), and FY 09 (DAP/OPIIS/NN). This system will meet HUD's enterprise architecture technical reference model (TRM) and provide several advantages over maintaining separate systems from both a technical and functional view. The 7 systems are REMS, DAP, APPS, M2M, MDDR, OPIIS, and NN.	73100	68100
True	Alternative 4 - Partial Application Consolidation	Consolidates the 7 systems under a single investment in FY 2008, modernizes each system, and combines these 4 web-based systems into a single Multifamily Housing integrated system in FY 07 (REMS), FY 08 (APPS/M2M/MDDR), . This system will meet HUD's enterprise architecture technical reference model (TRM) and provide several advantages over maintaining separate systems from both a technical and functional view. The non web-based systems would be maintained in current form in the short term.	73400	54200

### *Selected Alternative BY08*

Which alternative was selected by the Initiative Governance process and why was it chosen?

Alternative 3 was chosen. This alternative offers a 243% ROI on development dollars. ROI for the other alternatives are: Alt 1: 0%, Alt 2: 170%, Alt 4: 193%.

**Business Perspective:** This alternative provides the best support for the Multifamily Housing Finance line of business. It consolidates several separate systems into one single application user interface and one single database. It takes a great step to provide one-stop shopping for Multifamily Housing customers. The consolidated system streamlines system processes for field Project Managers and Enforcement Analysts, enhances tracking ability of portfolio level issues, enables greater data sharing within HUD and with external business partners.

**Technical Perspective:** This alternative provides HUD a modernized Multifamily Housing Integrated Real Estate Management System which aligns with the HUD Enterprise Architecture goals. This modernized system provides for significant code reuse among the Asset Development, Asset Management, Business Partner Management, and Asset Disposition business functions. The costs of this alternative were risk adjusted. Schedule risk and dependency risk increased costs of the technology migration tasks by 30%,



however lifecycle costs were reduced by 10% per year based on code re-use by the 7 applications.

Alternative 1, while viable, would continue separate applications under legacy software platforms. Under this alternative, maintenance costs would continue to increase and HUD would have to continue to maintain redundant platforms to support HUD's web-based applications. Both Multifamily and PIH, users of the current hudapps web environment are planning for 100% migration to the Java/Oracle environment. Alternatives 2 and 3 would allow HUD to retire the Coldfusion application server platform and the Sybase database platform in these environments.

Alternative 2 is also viable. This alternative would achieve HUD's modernization and Enterprise Architecture alignment goals, but would not provide the one-stop shopping for Multifamily Housing's customers. Development costs would be 10 to 25% higher as the potential for reuse declines.

Alternative 4 is also viable and would be the second best solution. This alternative provides many of the benefits of alternative 3 and consolidates the web-based systems. This would allow for retiring several legacy technologies and still provides a single stop for most Multifamily Housing programs.

What specific qualitative benefits will be realized?

Performance-based contract administrators (PBCAs) supporting HUD's Multifamily Housing section 8 contracts are maintaining contract renewal and property management data in their own management data systems and then re-keying data into HUD's Real Estate Management System (REMS). Initial efforts to provide some of these PBCAs with G2B interfaces using the XML data exchange standard have proven successful. Increased performance and data quality will be the results of expanding this G2B interface and adding a B2G capability to provide systematic feeds between these heterogeneous systems.

HUD has placed additional emphasis on properties whose physical inspection scores are 60 or less. These properties often require re-inspection to ensure compliance. Currently the relationship of the re-inspections against the original inspection are tracked manually. This task will automate this process and provide additional reporting capabilities.

Currently, renewal of expiring Project Rental Assistance Contracts (PRACS) for projects under the Section 202 Program of Supportive Housing for the Elderly and the Section 811 Program of Supportive Housing for Persons with Disabilities are not supported in the normal REMS automated renewal procedures (or any other MFH system.) This task adds the PRAC renewal process to the REMS contract / processing functions. Owners must submit an operating budget for all projects with an expiring PRAC. If the owner is requesting an increase in project rental assistance, the request must detail project needs and summarize the reasons why an increase in project rental assistance is needed, including necessary increases to the Reserve for Replacement.

Expands the Event Notification system to all iREMS application modules. This process is currently designed for REMS only. This change will include additional rule bases for events to support current APPS, DAP, ARAMS, and MDDR processes. The Event Viewer will be elevated in the system hierarchy to be available to all iREMS users. This function notifies assigned project managers and business partners of actions taken against their assigned properties, contracts, participants, and financing instruments via interfaces, automated events, or other outside processes.

This task adds enhancements to the tracking of asset management responsibilities for Multifamily Housing properties, subsidy contracts, financing instruments, management participants.

**Quantitative Benefits BY08**

What specific quantitative benefits will be realized (using current dollars) Use the results of your alternatives analysis to complete the following table:

Federal Quantitative Benefits

	Budgeted Cost Savings	Cost Avoidance	Justification for Budgeted Cost Savings	Justification for Cost Avoidance
PY - 6 2000	0	0		
PY - 5 2001	0	0		
PY - 4 2002	0	0		
PY - 3	0	0		

	Budgeted Cost Savings	Cost Avoidance	Justification for Budgeted Cost Savings	Justification for Cost Avoidance
2003				
PY - 2 2004	0	0		
PY - 1 2005	0	0		
PY 2006	0	0		
CY 2007	0	0		
BY 2008	0	0		
Total LLC Benefit	0	0		

#### **IV.B: RISK MANAGEMENT BY08**

##### *Risk Management Plan BY08*

You should have performed a risk assessment during the early planning and initial concept phase of this investment's life-cycle, developed a risk-adjusted life-cycle cost estimate and a plan to eliminate, mitigate or manage risk, and be actively managing risk throughout the investment's life-cycle.

Does the investment have a Risk Management Plan? Yes

What is the date of the risk management plan? 4/26/2006

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

If "yes," describe any significant changes to the Risk Management Plan:

If there currently is no risk plan, will a plan be developed?

If "yes," what is the planned completion date of the risk plan?

If "no," what is the strategy for managing the risks?

##### *Investment Risks BY08*

Briefly describe how investment risks are reflected in the life cycle cost estimate and investment schedule:

Each Alternative was evaluated based on the 19 OMB risk categories. For Alternative 1, the maintenance only solution, adjustments based on risks were computed as a percentage per year of on-going adaptive maintenance and operations costs. These percentages are reflected in out years 2 thru 10 of the cost projections. For Alternatives 2 thru 4, each of the risk categories were evaluated for each development initiative. Costs were adjusted during the estimation process of each individual initiative. Therefore, the costs reflected on the OMB-300B worksheet and the alternatives analysis spreadsheet reflect risk adjusted costs. Overall, alternative 1 resulted in a 25% increase per year. Alternative 2 resulted in a 15% risk adjustment based on schedule and a 10% risk adjustment based on dependencies. Alternative 3 resulted in a 20% risk adjustment based on schedule and a 10% adjustment based on dependencies, but a 10% risk reduction based lifecycle cost due mostly to code re-use. Alternative 4 followed the same adjustments as alternative 3 except only calculating a 7% lifecycle reduction.

#### **IV.C: COST AND SCHEDULE PERFORMANCE BY08**

##### *Earned Value BY08*

You should also periodically be measuring the performance of operational assets against the baseline established during the planning or full acquisition phase (i.e., operational analysis), and be properly operating and maintaining the asset to maximize its useful life. Operational analysis may identify the need to redesign or modify an asset by identifying previously undetected faults in design, construction, or installation/integration, highlighting whether actual operation and maintenance costs vary significantly from budgeted costs, or documenting that the asset is failing to meet program requirements.

Answer the following questions about the status of this investment. Include information on all appropriate capital assets supporting this investment except for assets in which the performance information is reported in a separate Exhibit 300.

Are you using EVM to manage this investment? Yes

Does the earned value management system meet the criteria in ANSI/EIA Standard - 748? Yes

If "no," explain plans to implement EVM:

Please provide a brief summary of the operational analysis results.

