

FBI Regional Data Exchange (R-DEx)

Exhibit 300: Part I: Summary Information and Justification (All Capital Assets)

I.A. Overview

1. Date of Submission:	12/15/2006
2. Agency:	Department of Justice
3. Bureau:	Federal Bureau of Investigation
4. Name of this Capital Asset:	FBI Regional Data Exchange (R-DEx)
5. Unique Project (Investment) Identifier: (For IT investment only, see section 53. For all other, use agency ID system.)	011-10-01-04-01-2812-00
6. What kind of investment will this be in FY2008? (Please NOTE: Investments moving to O&M ONLY in FY2008, with Planning/Acquisition activities prior to FY2008 should not select O&M. These investments should indicate their current status.)	Mixed Life Cycle
7. What was the first budget year this investment was submitted to OMB?	FY2002

8. Provide a brief summary and justification for this investment, including a brief description of how this closes in part or in whole an identified agency performance gap:

The Multi-Agency Information Sharing Initiative (MISI) is designed to provide the capability to share full text investigative information from federal, state, & local investigative agencies. MISI will provide searching, link analysis, & geo-spatial capabilities to aid investigators, analysts, & managers in analyzing criminal activity. It will facilitate the elimination of suspects, setting leads, & establishing linkages in cases that wouldn't otherwise occur. MISI is being developed in four phases. Phase I was the development of the concept of Operations, System Requirements Document, & Tool Suite that meets those requirements. Phase II was the implementation of the system as an operational prototype to St. Louis, San Diego and Seattle. Phase III was the implementation of up to ten additional sites. The DOJ Law Enforcement Information Sharing Program (LEISP) strategy facilitates improved capabilities for law enforcement (LE) agencies to collaborate across agency, jurisdictional & geographic boundaries making that information available for use by all law enforcement agents. MISI fits into the LEISP data fusion category by co-mingling data on a regional level: MISI will provide for the collections & sharing of regional data between federal, state, local & tribal law enforcement agencies, regional FBI sites, & other federal law enforcement agencies. MISI development and deployment (Phase III) will be coordinated with the DOJ/OCIO to ensure that development as a part of the FBI Information Sharing Initiative (ISI), designed to facilitate the sharing of information at the federal, state, & local levels; which provides an integrated approach to the development or upgrade of systems designed to share investigative information by providing powerful analytical tools for analyzing integrated datasets & making the information available to users at all levels of government. LEISP will leverage existing system capabilities, architectural components, & business services where plausible; it will redirect the management and execution of projects where performance failures or weaknesses have been identified; it will result in the development of a single enterprise wide information sharing architecture for the Department. LEISP is the critical DOJ-wide initiative to facilitate the sharing of what law enforcement knows about terrorism, criminal activity & threats to

public safety.

9. Did the Agency's Executive/Investment Committee approve this request?	Yes
a. If "yes," what was the date of this approval?	
10. Did the Project Manager review this Exhibit?	Yes
11. Contact information of Project Manager?	
Name	
Lonergan, Margaret	
Phone Number	202-324-5791
Email	Margaret.Lonergan@ic.fbi.gov
12. Has the agency developed and/or promoted cost effective, energy efficient and environmentally sustainable techniques or practices for this project.	Yes
a. Will this investment include electronic assets (including computers)?	Yes
b. Is this investment for new construction or major retrofit of a Federal building or facility? (answer applicable to non-IT assets only)	No
1. If "yes," is an ESPC or UESC being used to help fund this investment?	
2. If "yes," will this investment meet sustainable design principles?	
3. If "yes," is it designed to be 30% more energy efficient than relevant code?	
13. Does this investment support one of the PMA initiatives?	Yes
If "yes," check all that apply:	Expanded E-Government
13a. Briefly describe how this asset directly supports the identified initiative(s)?	LEISP provides leadership in information-sharing & operational cooperation, particularly in the areas of criminal investigation, analysis, & counter-terrorism. LEISP leverages the jurisdiction & expertise of other members of the law enforcement community through working groups & task forces to provide an effectiveness & efficiency not present in any one agency. The widespread use of this technique brings instantaneous information-sharing & synergy to better counter criminal activities.

14. Does this investment support a program assessed using the Program Assessment Rating Tool (PART)? (For more information about the PART, visit www.whitehouse.gov/omb/part.)	No
a. If "yes," does this investment address a weakness found during the PART review?	No
b. If "yes," what is the name of the PART program assessed by OMB's Program Assessment Rating Tool?	
c. If "yes," what PART rating did it receive?	
15. Is this investment for information technology?	Yes
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.	
For information technology investments only:	
16. What is the level of the IT Project? (per CIO Council PM Guidance)	Level 2
17. What project management qualifications does the Project Manager have? (per CIO Council PM Guidance):	(4) Project manager assigned but qualification status review has not yet started
18. Is this investment identified as "high risk" on the Q4 - FY 2006 agency high risk report (per OMB's "high risk" memo)?	Yes
19. Is this a financial management system?	No
a. If "yes," does this investment address a FFMI A compliance area?	No
1. If "yes," which compliance area:	N/A
2. If "no," what does it address?	
b. If "yes," please identify the system name(s) and system acronym(s) as reported in the most recent financial systems inventory update required by Circular A-11 section 52	
20. What is the percentage breakout for the total FY2008 funding request for the following? (This should total 100%)	
Hardware	25
Software	25
Services	50

Other

21. If this project produces information dissemination products for the public, are these products published to the Internet in conformance with OMB Memorandum 05-04 and included in your agency inventory, schedules and priorities? N/A

22. Contact information of individual responsible for privacy related questions:

Name

Kelley, Patrick W

Phone Number

202-324-8067

Title

Senior Privacy Officer

E-mail

agpwkell@ic.fbi.gov

23. Are the records produced by this investment appropriately scheduled with the National Archives and Records Administration's approval? No

I.B. Summary of Funding

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.

Table 1: SUMMARY OF SPENDING FOR PROJECT PHASES (REPORTED IN MILLIONS) (Estimates for BY+1 and beyond are for planning purposes only and do not represent budget decisions)									
	PY - 1 and Earlier	PY 2006	CY 2007	BY 2008	BY + 1 2009	BY + 2 2010	BY + 3 2011	BY + 4 and Beyond	Total
Planning									
Budgetary Resources	2.12	0	0	0	0	0	0	0	
Acquisition									

Budgetary Resources	16.6	5.13075	0.5	7.5					
Subtotal Planning & Acquisition									
Budgetary Resources	18.72	5.13075	0.5	7.5					
Operations & Maintenance									
Budgetary Resources	0	2.45	1.514	2.4					
TOTAL									
Budgetary Resources	18.72	7.58075	2.014	9.9					
Government FTE Costs									
Budgetary Resources	2.338	0.824	0.385	0.462					
Number of FTE represented by Costs:	9	6	2.5	3					

Note: For the cross-agency investments, this table should include all funding (both managing partner and partner agencies). Government FTE Costs should not be included as part of the TOTAL represented.

2. Will this project require the agency to hire additional FTE's? No

a. If "yes," How many and in what year?

3. If the summary of spending has changed from the FY2007 President's budget request, briefly explain those changes:

I.C. Acquisition/Contract Strategy

1. 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.

Contracts/Task Orders Table:

[Contracts/Task Orders Table](#)

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

Contract #1 (value \$12.204M): This contract provides integration efforts for the R-DEX system. To ensure the timeliness of the data & possible cost saving, we integrated the contractor's EVM into the R-DEX baseline. On a monthly basis, the contractor program manager is working with the FBI Program Office to update their performance & schedule data. The decision was made by the Department of Justice OCIO/Budget Oversight Director, with OMB concurrence, to eliminate all EVM reporting for the R-DEX program based on a short period of performance. Contract #2 (value \$1.982M): This contract established an R-DEX Program

Management Office team that currently provides various program management support functions to the R-DEx program manager in the execution & management of the R-DEx project. This includes engineering, program control, financial, administrative, & any other support area that are required to ensure successful completion of the project. The R-DEx PMO team will implement & track EV for its support. As a result, a contractual requirement is not required. Note: R-DEx expended \$17M through FY05. This represents the difference between the Summary Spending Table and the Acquisition/ Contract Strategy table.

3. Do the contracts ensure Section 508 compliance?	Yes
a. Explain why:	
4. Is there an acquisition plan which has been approved in accordance with agency requirements?	Yes
a. If "yes," what is the date?	8/1/2003
b. If "no," will an acquisition plan be developed?	
1. If "no," briefly explain why:	

I.D. Performance Information

In order to successfully address this area of the exhibit 300, performance goals must be provided for the agency and be linked to the annual performance plan. The investment must discuss the agency's mission and strategic goals, and performance measures must be provided. These goals need to map to the gap in the agency's strategic goals and objectives this investment is designed to fill. They are the internal and external performance benefits this investment is expected to deliver to the agency (e.g., improve efficiency by 60 percent, increase citizen participation by 300 percent a year to achieve an overall citizen participation rate of 75 percent by FY 2xxx, etc.). The goals must be clearly measurable investment outcomes, and if applicable, investment outputs. They do not include the completion date of the module, milestones, or investment, or general goals, such as, significant, better, improved that do not have a quantitative or qualitative measure.

Agencies must use Table 1 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 Information Table 1:					
Fiscal Year	Strategic Goal(s) Supported	Performance Measure	Actual/baseline (from Previous Year)	Planned Performance Metric (Target)	Performance Metric Results (Actual)
2003	DOJ Goal 1, 2, 8.4 FBI Priority 10	Minimum deviation from cost, schedule and performance goals and estimate to complete.	Project Budget Performance/Earned Value Management	Less than 10% deviation	Less than 10% deviation
2003	DOJ Goal 1, 2, 8.4 FBI	Getting all agreements	Memoranda of	All MOUs were executed	100% participation

	Priority 1, 2, 3, 4, 6, 7, 8, 9, 10	executed prior to operations.	Understanding	prior to the system becoming operational.	
2003	DOJ Goal 1, 2, 8.4 FBI Priority 10	Customer Surveys of Pilot users; Number of adverse comments and their resolution by category	Customer Satisfaction	Resolve at least 90% of all customer issues.	95% of all users issues were resolved.
2003	DOJ Goals 1.0, 2.0, 8.4 FBI Priorities 1, 2, 3, 6, 7, 8, 9, 10	Number of case closures Number of leads set Number of arrests	Investigative Success	Set a goal of 35% increase over previous year	TBD
2003	DOJ Goals 1.0, 2.0, 8.4 FBI Priority 10	Number of Sites Implemented	Milestone Performance	Three new sites implemented and operational	TBD
2004	DOJ Goal 1, 2, 8.4 FBI Priority 10	Collect statistics on number of service calls, and average time to resolve issues	Customer Satisfaction	Average 5 service calls/month. Resolve within 48 hours.	50% of all calls are addressed within 24 hours. The majority of the others are within 48. Some calls required LEO intervention and could take approximately 5 days
2004	DOJ Goals 1, 2, 8.4 FBI Priority 10	Assess downtime	Availability	System available 99% of the time.	System has been available 99% of the time.
2004	DOJ Goals 1, 2, 8.4 FBI Priorities 1, 2, 3, 6, 7, 8, 9, 10	Number of case closures attributed to JTTF/ISI	Investigative Success	Increase in cases closed each year.	On a system which is implemented as a proof of concept, 3 leads were obtained through the use of analytical tools.
2004	DOJ Goals 1, 2, 8.4 FBI Priority 10	Training completed prior to operational capability of task force; percent of users trained; user rating of training	Training Timeliness, Participation and Quality	100% participants trained	Goal was met: All participants (100%) were trained prior to operations.
2004	DOJ Goals 1, 2, 8.4 FBI Priority 10	Number of milestones completed on time	Milestone performance	Complete 100% of milestones on schedule	All milestones pertaining to the Proof of Concept were completed on schedule
2005	Customer Results	Timeliness & Responsiveness	SLA completed for St. Louis only (20%)	SLAs for all 5 locations including St. Louis (100%)	SLA=3
2005	Customer Results	Service Quality	Per RFP directions 2 trainers, 3 days, 3 students per region	2 Trainers, 3 days, 3 Students Per region	2 Trainers, 3 days, 3 Students per region
2005	Mission & Business Results	Financial Management	10% variance	Less than 10% deviation	Project met goal within 10% deviation
2005	Mission & Business Results	Law Enforcement	TBD	Increase in cases closed	In progress

				each year	
2005	Processes & Activities	Financial (Processes and Activities)	JTTF ISI Gateway was implemented within budget	Less than 5% deviation on the next phase of MISI development, Phase II	Project within 5% deviation
2005	Processes & Activities	Productivity & Efficiency	TBD	100% of all operational problems resolved within 30 days following implementation	On Target
2005	Processes & Activities	Cycle Time & Resource Time	<7 days average to close a ticket	<2 days to close a ticket	On Target
2006	Customer Results	Customer Benefit	TBD	100% of all customer issues are fully resolved.	In progress
2006	Technology	Reliability and Availability	The % of time that the system is up.	The system is expected to be available 95% of the time.	System was available 95% of the time.
2006	Processes and activities	Cycle Time and Resource Time	<7 days average to close a ticket	<2 days to close a ticket	Project met goal of <2 days to close a ticket
2007	Customer Results	Customer Benefit	TBD	100% of all customer issues are fully resolved.	Project met goal
2007	Technology	Reliability and Availability	The % of time that the system is up.	The system is expected to be available 95% of the time.	TBD
2007	Processes and Activities	Cycle time and Resource Time	<7 days average to close a ticket	<2 days to close a ticket	TBD
2008	Customer Results	Customer Benefit	TBD	100% of all customer issues are fully resolved.	TBD
2008	Technology	Reliability and Availability	The % of time that the system is up.	The system is expected to be available 95% of the time.	TBD
2008	Processes and Activities	Cycle time and Resource Time	<7 days average to close a ticket	<2 days to close a ticket	TBD
2009	Customer Results	Customer Benefit	TBD	100% of all customer issues are fully resolved.	TBD
2009	Technology	Reliability and Availability	The % of time that the system is up.	The system is expected to be available 95% of the time.	TBD
2009	Processes and Activities	Cycle time and Resource Time	<7 days average to close a ticket	<2 days to close a ticket	TBD
2010	Customer Results	Customer Benefit	TBD	100% of all customer issues are fully resolved.	TBD
2010	Technology	Reliability and Availability	The % of time that the system is up.	The system is expected to be available 95% of the time.	TBD

2010	Processes and Activities	Cycle Time and Resource Time	<7 days average to close a ticket	<2 days to close a ticket.	TBD
2011	Customer Results	Customer Benefit	TBD	TBD	100% of all customer issues are fully resolved.
2011	Technology	Reliability and Availability	The % of time that the system is up.	The system is expected to be available 95% of the time.	TBD
2011	Processes and Activities	Cycle Time and Resource Time	<7 days average to close a ticket	<2 days to close a ticket.	TBD
2012	Technology	Reliability & Availability	The % of time that the system is up.	The system is expected to be available 95% of the time.	TBD
2012	Processes & Activities	Cycle Time & Resource Time	<7 days average to close a ticket	<2 days to close a ticket	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.egov.gov.

Performance Information Table 2:							
Fiscal Year	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Planned Improvement to the Baseline	Actual Results

I.E. Security and Privacy

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:

1. Have the IT security costs for the system(s) been identified and integrated into the overall costs of the investment:	Yes
a. If "yes," provide the "Percentage IT Security" for the budget year:	3
2. Is identifying and assessing security and privacy risks a part of the overall risk management effort for each system supporting or part of this investment.	Yes

3. Systems in Planning - Security Table:

Name of System	Agency/ or Contractor Operated System?	Planned Operational Date	Planned or Actual C&A Completion Date
R-DEx	Contractor Only	5/1/2007	4/1/2007

4. Operational Systems - Security Table:

Name of System	Agency/ or Contractor Operated System?	NIST FIPS 199 Risk Impact level	Has C&A been Completed, using NIST 800-37?	Date C&A Complete	What standards were used for the Security Controls tests?	Date Complete(d): Security Control Testing	Date the contingency plan tested
R-DEx	Contractor Only		Yes	2/26/2005	FIPS 200 / NIST 800-53	5/19/2006	5/31/2006

5. Have any weaknesses related to any of the systems part of or supporting this investment been identified by the agency or IG?

a. If "yes," have those weaknesses been incorporated agency's plan of action and milestone process?

6. Indicate whether an increase in IT security funding is requested to remediate IT security weaknesses?

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

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

This system is operated by contractors under contract to the FBI. The contractors receive an annual security awareness briefings provided by the FBI. All security incidents are reported to the Chief Security Officer. The COTR is responsible for assuring the security requirements and procedures identified in the contracts are adhered to by the contractors through site visits and performance reviews. The COTR is supported in this endeavor by the ISSM, ISSO and the Program Manager who review all contract modifications. Security-specific requirements are included as part of the Statements of Work to ensure contractors are aware of their responsibilities. Site visits are also performed on an annual basis to ensure the security requirements remain in effect.

8. Planning & Operational Systems - Privacy Table:

Name of System	Is this a new system?	Is there a Privacy Impact Assessment (PIA) that covers this system?	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?
R-DEX	No	Yes.	Yes.	Yes	No, because the existing Privacy Act system of records was not substantially revised in FY 06.

I.F. Enterprise Architecture (EA)

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.

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

a. If "no," please explain why?

2. Is this investment included in the agency's EA Transition Strategy? Yes

a. If "yes," provide the investment name as identified in the Transition Strategy provided in the agency's most recent annual EA Assessment. (404) Information and Technology & (142) Information Management.

b. If "no," please explain why?

3. Service Reference Model (SRM) Table:

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/>.

Agency Component	Agency Component Description	Service Domain	FEA SRM Service Type	FEA SRM Component	FEA Service Component	FEA Service Component	Internal or	BY Funding Percentage
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Name					Reused Name	Reused UPI	External Reuse?	
Back Office Services Domain	Support the interchange of information between multiple system or applications	Back Office Services	Data Management	Data Exchange			No Reuse	2
Back Office Services Domain		Back Office Services	Data Management	Data Warehouse			No Reuse	2
Back Office Services Domain	Supports the manipulation of data by extracting entity data from ACS records	Back Office Services	Data Management	Extraction and Transformation			No Reuse	1
Back Office Services Domain	Support the population of a data source	Back Office Services	Data Management	Loading and Archiving			No Reuse	4
Back Office Services Domain	Supports the organization of data from disparate DOJ sources	Back Office Services	Development and Integration	Data Integration			No Reuse	2
Business Analytical Services Domain	Provide for the efficient discovery of non-obvious, valuable patterns and relationships within a large collection of data	Business Analytical Services	Knowledge Discovery	Data Mining			No Reuse	1
Business Analytical Services Domain	Provide for the efficient discovery of non-obvious, valuable patterns & relationships within a large collection of data.	Business Analytical Services	Knowledge Discovery	Data Mining			No Reuse	2
Business Analytical Services Domain	Develop descriptions to adequately explain relevant data for the purpose of prediction, pattern detection, exploration or general organization of data.	Business Analytical Services	Knowledge Discovery	Modeling			No Reuse	2
Business Analytical Services Domain	Support the use of dynamic reports on an as-needed basis	Business Analytical Services	Reporting	Ad Hoc			No Reuse	3
Business Analytical Services	Support the use of pre-conceived or pre-written reports	Business Analytical Services	Reporting	Standardized / Canned			No Reuse	2

Domain								
Business Analytical Services Domain	Support the presentation of information in the form of diagrams or tables	Business Analytical Services	Visualization	Graphing / Charting			No Reuse	2
Business Analytical Services Domain	Provide for the representation of position information through the use of attributes such as elevation.	Business Analytical Services	Visualization	Mapping / Geospatial / Elevation / GPS			No Reuse	2
Business Management Services Domain	Support the determination of long-term goals and the identification of the best approach for achieving those goals.	Business Management Services	Investment Management	Strategic Planning and Mgmt			No Reuse	2
Business Management Services Domain	Control the hardware & software environments, as well as R-DEX documentation	Business Management Services	Management of Processes	Configuration Management			No Reuse	2
Business Management Services Domain	Manage and control a particular effort of an organization	Business Management Services	Management of Processes	Program / Project Management			No Reuse	6
Business Management Services Domain	Determine the level of R-DEX service that satisfies requirements.	Business Management Services	Management of Processes	Quality Management			No Reuse	1
Business Management Services Domain	Gather, analyze and fulfill the needs and prerequisites of an organization's efforts.	Business Management Services	Management of Processes	Requirements Management			No Reuse	1
Business Management Services Domain	Support the identification and probabilities or chances of hazards a they relate to a task, decision or long-term goal.	Business Management Services	Management of Processes	Risk Management			No Reuse	2
Customer Service Domain	Provide a framework to promote the effective collaboration between the R-DEX and its law enforcement business partners; includes performance evaluation of partners.	Customer Services	Customer Initiated Assistance	Assistance Request			No Reuse	2

Customer Service Domain	Provides an electronic interface to user assistance	Customer Services	Customer Initiated Assistance	Online Help			No Reuse	1
Customer Service Domain	Provides electronic interface to use the R-DEx system	Customer Services	Customer Initiated Assistance	Online Tutorials			No Reuse	1
Customer Service Domain	Handle telephone calls to the end customers	Customer Services	Customer Relationship Management	Call Center Management			No Reuse	1
Customer Service Domain	Are used to collect useful information from an organization's customers	Customer Services	Customer Relationship Management	Customer / Account Management	Surveys		No Reuse	1
Customer Service Domain	Supports the management of R-DEx users and their system accounts	Customer Services	Customer Relationship Management	Customer / Account Management			No Reuse	1
Customer Service Domain	Is used to collect, analyze and handle comments and feedback from an organization's customers.	Customer Services	Customer Relationship Management	Customer Feedback			No Reuse	1
Customer Service Domain	Facilitate the creation and maintenance of law enforcement products and services	Customer Services	Customer Relationship Management	Product Management			No Reuse	5
Customer Service Domain	Are used to collect useful information from an organization's customers	Customer Services	Customer Relationship Management	Surveys			No Reuse	1
Digital Asset Service Domain	Allow for the creation of tutorials, CBT courseware, websites, CD-ROMs and other interactive programs	Digital Asset Services	Content Management	Content Authoring			No Reuse	5
Digital Asset Service Domain	Allow for the propagation of interactive programs	Digital Asset Services	Content Management	Content Publishing and Delivery			No Reuse	6
Digital Asset Service Domain	Allow for the approval of interactive programs	Digital Asset Services	Content Management	Content Review and Approval			No Reuse	1
Digital Asset Service Domain	Support the versioning and editing of content and documents	Digital Asset Services	Document Management	Document Revisions			No Reuse	2
Digital Asset Service Domain	Support document and data warehousing and archiving	Digital Asset Services	Document Management	Library / Storage			No Reuse	2

Digital Asset Service Domain	Allow access to data and information for use by an organization and its stakeholders	Digital Asset Services	Knowledge Management	Information Retrieval			No Reuse	3
Digital Asset Service Domain	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	6
Digital Asset Service Domain	Support the transfer of knowledge to the end user	Digital Asset Services	Knowledge Management	Knowledge Distribution and Delivery			No Reuse	6
Support Services Domain	R-DEx provides several pattern matching means to satisfy a search query including synonyms and Soundex	Support Services	Search	Pattern Matching			No Reuse	1
Support Services Domain	R-DEx provides response to queries in a ranked order based on relevance.	Support Services	Search	Precision / Recall Ranking			No Reuse	2
Support Services Domain	Support retrieval of records that satisfy specific query	Support Services	Search	Query			No Reuse	3
Support Services Domain	Support the management of permissions for logging onto a computer or network	Support Services	Security Management	Access Control			No Reuse	2
Support Services Domain	Supports identification of users trying to gain access to the system.	Support Services	Security Management	Identification and Authentication			No Reuse	2
Support Services Domain	R-DEx contains measures to prevent unauthorized users from access to the system.	Support Services	Security Management	Intrusion Detection			No Reuse	2
Support Services Domain	Support the balance and allocation of memory, usage, disk space and performance on computers and their applications.	Support Services	Systems Management	System Resource Monitoring			No Reuse	2

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.

4. Technical Reference Model (TRM) Table:

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.

FEA SRM Component	FEA TRM Service Area	FEA TRM Service Category	FEA TRM Service Standard	Service Specification (i.e. vendor or product name)
Content Authoring	Component Framework	Business Logic	Platform Independent	JavaScript
Information Sharing	Component Framework	Data Management	Database Connectivity	Java Database Connectivity
Information Sharing	Component Framework	Data Management	Database Connectivity	Open Database Connectivity (ODBC)
Content Authoring	Component Framework	Presentation / Interface	Dynamic Server-Side Display	Java Server Pages (JSP)
Content Authoring	Component Framework	Presentation / Interface	Static Display	Hyper Text Markup Language (HTML)
Access Control	Component Framework	Security	Certificates / Digital Signatures	Secure Sockets Layer (SSL)
Access Control	Component Framework	Security	Supporting Security Services	Secure Shell (SSH)
Call Center Management	Service Access and Delivery	Access Channels	Collaboration / Communications	Telephone, e.g., Spring, MCI, Verizon
Information Sharing	Service Access and Delivery	Access Channels	Other Electronic Channels	Uniform Resource Locator (URL)
Information Retrieval	Service Access and Delivery	Access Channels	Other Electronic Channels	Web Service
Information Retrieval	Service Access and Delivery	Access Channels	Web Browser	Internet Explorer
Information Retrieval	Service Access and Delivery	Delivery Channels	Internet	Internet
Information Sharing	Service Access and Delivery	Delivery Channels	Virtual Private Network (VPN)	Law Enforcement Online
Information Retrieval	Service Access and Delivery	Service Transport	Service Transport	Internet Protocol (IP)
Information Retrieval	Service Access and Delivery	Service Transport	Service Transport	Transport Control Protocol (TCP)
Network Management	Service Access and Delivery	Service Transport	Supporting Network Services	Domain Name System (DNS)

Access Control	Service Access and Delivery	Service Transport	Supporting Network Services	Lightweight Directory Access Protocol (LDAP)
Intrusion Detection	Service Access and Delivery	Service Transport	Supporting Network Services	Simple Network Management Protocol (SNMP)
Information Sharing	Service Interface and Integration	Integration	Enterprise Application Integration	Business Process Management
Information Sharing	Service Interface and Integration	Integration	Enterprise Application Integration	Transformation and Formatting
Knowledge Distribution and Delivery	Service Interface and Integration	Interface	Service Description / Interface	Application Program Interface (API) / Protocol
Content Publishing and Delivery	Service Interface and Integration	Interoperability	Data Format / Classification	Extensible Markup Language (XML)
Library / Storage	Service Platform and Infrastructure	Database / Storage	Database	Oracle
Product Management	Service Platform and Infrastructure	Database / Storage	Storage	Storage Area Network (SAN)
Data Exchange	Service Platform and Infrastructure	Delivery Servers	Web Servers	Apache
Data Exchange	Service Platform and Infrastructure	Delivery Servers	Web Servers	Internet Information Server
Information Sharing	Service Platform and Infrastructure	Delivery Servers	Web Servers	Windows SQL Server 2003
Data Warehouse	Service Platform and Infrastructure	Hardware / Infrastructure	Embedded Technology Devices	Hard Disk Drive
System Resource Monitoring	Service Platform and Infrastructure	Hardware / Infrastructure	Embedded Technology Devices	Microprocessor
System Resource Monitoring	Service Platform and Infrastructure	Hardware / Infrastructure	Embedded Technology Devices	Random Access Memory (RAM)
Data Warehouse	Service Platform and Infrastructure	Hardware / Infrastructure	Embedded Technology Devices	Redundant Array of Independent Disks (RAID)
Intrusion Detection	Service Platform and Infrastructure	Hardware / Infrastructure	Network Devices / Standards	Firewall
Data Exchange	Service Platform and Infrastructure	Hardware / Infrastructure	Network Devices / Standards	Hub
Data Exchange	Service Platform and Infrastructure	Hardware / Infrastructure	Network Devices / Standards	NICs
Data Exchange	Service Platform and Infrastructure	Hardware / Infrastructure	Network Devices / Standards	Router

Data Exchange	Service Platform and Infrastructure	Hardware / Infrastructure	Network Devices / Standards	Switch
Data Exchange	Service Platform and Infrastructure	Hardware / Infrastructure	Network Devices / Standards	T1/T3
Data Exchange	Service Platform and Infrastructure	Hardware / Infrastructure	Servers / Computers	Enterprise Server
Product Management	Service Platform and Infrastructure	Software Engineering	Software Configuration Management	Change Management
Program / Project Management	Service Platform and Infrastructure	Software Engineering	Software Configuration Management	Issue Management
Product Management	Service Platform and Infrastructure	Software Engineering	Software Configuration Management	Requirements Management and Traceability
Program / Project Management	Service Platform and Infrastructure	Software Engineering	Software Configuration Management	Task Management
Product Management	Service Platform and Infrastructure	Software Engineering	Test Management	Configuration Testing
Information Sharing	Service Platform and Infrastructure	Software Engineering	Test Management	Functional Testing
Information Sharing	Service Platform and Infrastructure	Software Engineering	Test Management	Installation Testing
Information Sharing	Service Platform and Infrastructure	Software Engineering	Test Management	Performance Profiling
Access Control	Service Platform and Infrastructure	Software Engineering	Test Management	Security and Access Control Testing
Data Exchange	Service Platform and Infrastructure	Support Platforms	Platform Dependent	Windows 2003
Data Exchange	Service Platform and Infrastructure	Support Platforms	Platform Dependent	Windows.Net
Data Exchange	Service Platform and Infrastructure	Support Platforms	Platform Independent	Java 2 Platform Enterprise Edition (J2EE)

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.

5. Will the application leverage existing components and/or

applications across the Government (i.e., FirstGov, Pay.Gov, etc)?

a. If "yes," please describe.

6. Does this investment provide the public with access to a government automated information system? No

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

1. 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).

Exhibit 300: Part II: Planning, Acquisition and Performance Information

II.A. Alternatives Analysis

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.

1. Did you conduct an alternatives analysis for this project? Yes

a. If "yes," provide the date the analysis was completed? 7/1/2006

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

c. If no analysis is planned, please briefly explain why:

2. Alternative Analysis Results:

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

Send to OMB	Alternative Analyzed	Description of Alternative	Risk Adjusted Lifecycle Costs estimate	Risk Adjusted Lifecycle Benefits estimate
True	Alternative 3 Distributed Virtual Data Warehouse	This alternative is proposed based on the lessons learned from studying the Gateway implementation. This alternative comprises a virtual data warehousing approach. The state, local and tribal records remain on their original databases to provide currency, but each data source is mapped into an integrated view of data from a central location. All processing applications would also reside at a central federal location, as would the filtered ACS data.	64.307	0

3. Which alternative was selected by the Agency's Executive/Investment Committee and why was it chosen?

Alternative 3, Distributed Virtual Data Warehousing, provides the best mission effectiveness at the lowest costs. It was selected because it has the best ROI and the following positive attributes: - The servers at the central site may be modest in size (smaller than in the other alternatives) because virtual data warehousing methods do not require centralized processing on very large databases. - Large amounts of data storage are not needed. Data storage at the central facility is only required for the FBI and DOJ data. Regionally provided data resides in the original agency's database and become a data source for R-DEx. - Centralized O&M is more efficient than providing separate O&M personnel at each region because this method makes use of the O&M already occurring at the partner sites. - Data remains current to real time processing. The data remains in the agency's original database. - Data providers retain control over their data and manage its currency and accuracy. - Maximizes system availability by avoiding outages needed to resolve ETL issues during otherwise required central database updates. - Takes advantage of extra processing capacity of existing regional systems by interfacing with them via the Internet.

4. What specific qualitative benefits will be realized?

1) By far, the greatest benefit for all stakeholders of R-DEx will be the automated availability of integrated information from many sources and the powerful analytical tools to the FBI and other law enforcement entities. These capabilities allow users to discover leads more quickly, to discover unobvious leads that would have previously remained unknown, and to eliminate false leads during investigations aimed at preventing terrorist acts and reducing crime. 2) Gain trust and support from local communities - Once crime is reduced and their quality-of-life improves, local communities will take ownership of their community and get involved with crime patrol and reporting.

II.B. Risk Management

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.

1. Does the investment have a Risk Management Plan?	Yes
a. If "yes," what is the date of the plan?	10/22/2004
b. Has the Risk Management Plan been significantly changed since last year's submission to OMB?	No
c. If "yes," describe any significant changes:	

2. If there currently is no plan, will a plan be developed?	
a. If "yes," what is the planned completion date?	
b. If "no," what is the strategy for managing the risks?	

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

The FBI R-DEx risks are maintained in the R-DEx Risk Register, which is designed to capture the project risks across the entire Life Cycle. Formal R-DEx Risk reviews are conducted monthly & presented at various monthly status meetings in accordance with the FBI IT Life Cycle Management Directive. When a risk is identified through a formal process, initial mitigation & contingency actions are defined at a high level & monitored by the R-DEx team. As part of our risk mitigation plan, we have established early communication & strategy with our sponsor & the ITOD network support team. These activities are being tracked in the schedule & are reflected on our critical path. For each risk, we have conducted an initial cost impact assessment. These cost impact assessments are then reflected in our life cycle cost estimate as part of engineering, integration, & program management support costs.

II.C. Cost and Schedule Performance

1. Does the earned value management system meet the criteria in ANSI/EIA Standard-748?	No
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2. 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):

a. What is the Planned Value (PV)?	19375
b. What is the Earned Value (EV)?	19375
c. What is the actual cost of work performed (AC)?	19375
d. What costs are included in the reported Cost/Schedule Performance information (Government Only/Contractor	Contractor Only

Only/Both)?

e. "As of" date:	10/30/2006
3. What is the calculated Schedule Performance Index (SPI = EV/PV)?	1
4. What is the schedule variance (SV = EV-PV)?	0
5. What is the calculated Cost Performance Index (CPI = EV/AC)?	1
6. What is the cost variance (CV=EV-AC)?	0
7. Is the CV% or SV% greater than +/- 10%? (CV%= CV/EV x 100; SV%= SV/PV x 100)	No
a. If "yes," was it the?	
b. If "yes," explain the variance:	
c. If "yes," what corrective actions are being taken?	
d. What is most current "Estimate at Completion"?	
8. Have any significant changes been made to the baseline during the past fiscal year?	No
8. If "yes," when was it approved by OMB?	No

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	Demonstration/Proof of Concept	09/30/2002	\$0.350	09/30/2002	09/30/2002	\$0.350	\$0.350	0	\$0.000	100%
2	Gateway Development	10/15/2003	\$5.000	10/15/2003	10/15/2003	\$5.000	\$5.000	0	\$0.000	100%
3	MISI Requirements Specification, Tool Analysis, and CONOPS Development	05/31/2004	\$0.670	05/31/2004	05/31/2004	\$0.670	\$0.670	0	\$0.000	100%

