

Exhibit 300: Capital Asset Plan and Business Case Summary**Part I: Summary Information And Justification (All Capital Assets)****Section A: Overview (All Capital Assets)**

- | | |
|---|---------------------------------|
| 1. Date of Submission: | 9/3/2008 |
| 2. Agency: | Department of Justice |
| 3. Bureau: | Federal Bureau Of Investigation |
| 4. Name of this Capital Asset: | FBI SENTINEL |
| 5. Unique Project (Investment) Identifier: (For IT investment only, see section 53. For all other, use agency ID system.) | 011-10-01-02-01-3211-00 |
| 6. What kind of investment will this be in FY 2010? (Please NOTE: Investments moving to O&M in FY 2010, with Planning/Acquisition activities prior to FY 2010 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? | FY2006 |
| 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: | |
- As a member of the IC Enterprise Architecture Data Management Committee, SENTINEL adheres to guidelines for SBU, privacy and training activities consistent with Executive Orders 13311 and 13388, section 892 of the Homeland Security Act of 2002 and section 1016 of IRTPA.
- SENTINEL directly contributes to DOJ Strategic Goal I, "Prevent Terrorism and Protect the Nation's Security," but can also be tied to all DOJ Strategic Goals. The SENTINEL program is a strategic, specific example of the collection and sharing of investigative and intelligence data that supports the following major intelligence priorities by improving and increasing the FBI's ability to: prevent terrorist attacks; protect against espionage; protect against cyber-based attacks and high tech crimes; deter and disrupt criminal acts; effectively execute all elements of the intelligence cycle; quickly and easily share unprocessed information and finished intelligence products across organizational boundaries; enable federal, state, local and tribal agencies to rapidly provide to and receive from each other tailored intelligence data and products; develop and implement common IT standards across DOJ and FBI to advance interpretable between intelligence-related systems; discover, develop, and insert superior technology and associated collaborative operational concepts to achieve a decisive intelligence advantage.
- SENTINEL capabilities are as follows:
Establish the foundation (hardware) upon which all future phases will be built and introduces the SENTINEL portal which will provide a user-friendly interface to existing FBI information and include work boxes which summarize a user's workload; provide document management, automate work flow and implement electronic records management; improve index descriptions that will enable improved search capabilities, allowing faster and more flexible searches; improve the process for handling evidence and centralizes statistical reporting.
- | | |
|--|---------------------|
| 9. Did the Agency's Executive/Investment Committee approve this request? | Yes |
| a. If "yes," what was the date of this approval? | 5/16/2008 |
| 10. Did the Project Manager review this Exhibit? | Yes |
| 11. Contact information of Program/Project Manager? | |
| Name | |
| Phone Number | |
| Email | |
| a. What is the current FAC-P/PM (for civilian agencies) or DAWIA (for defense agencies) certification level of the program/project manager? | New Program Manager |
| b. When was the Program/Project Manager Assigned? | 10/28/2007 |
| c. What date did the Program/Project Manager receive the FAC-P/PM certification? If the certification has not been issued, what is the anticipated date for certification? | 9/8/2008 |
| 12. Has the agency developed and/or promoted cost effective, energy-efficient and environmentally sustainable | No |

techniques or practices for this project?

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 directly support one of the PMA initiatives? Yes

If "yes," check all that apply:

Expanded E-Government
Budget Performance Integration
Human Capital

a. Briefly and specifically describe for each selected how this asset directly supports the identified initiative(s)? (e.g. If E-Gov is selected, is it an approved shared service provider or the managing partner?)

The SENTINEL program will use gains in information technology, database migration, and web-based interfaces to improve FBI case management, information sharing and intelligence analysis. The program will eliminate redundant systems within the Bureau as well as improve information sharing internally and with outside agencies. SENTINEL will enable the management of Human Capital assets and improve job assignments. In addition, SENTINEL will provide manager with the ability to manages resources

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.) Yes

a. If "yes," does this investment address a weakness found during a PART review? Yes

b. If "yes," what is the name of the PARTed program? 10003811 - FBI Intelligence

c. If "yes," what rating did the PART receive? Adequate

15. Is this investment for information technology? Yes

If the answer to Question 15 is "Yes," complete questions 16-23 below. If the answer is "No," do not answer questions 16-23.

For information technology investments only:

16. What is the level of the IT Project? (per CIO Council PM Guidance) Level 2

17. In addition to the answer in 11(a), what project management qualifications does the Project Manager have? (per CIO Council PM Guidance) (1) Project manager has been validated as qualified for this investment

18. Is this investment or any project(s) within this investment identified as "high risk" on the Q4 - FY 2008 agency high risk report (per OMB Memorandum M-05-23) Yes

19. Is this a financial management system? No

a. If "yes," does this investment address a FFMI compliance area?

1. If "yes," which compliance area:

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 FY2010 funding request for the following? (This should total 100%)

Hardware	10
Software	10
Services	55

Other 25

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

Phone Number

Title FBI Privacy & Civil Liberties Officer

E-mail

23. Are the records produced by this investment appropriately scheduled with the National Archives and Records Administration's approval? Yes

Question 24 must be answered by all Investments:

24. Does this investment directly support one of the GAO High Risk Areas?

Section B: Summary of Spending (All Capital Assets)

1. 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 2008	CY 2009	BY 2010	BY+1 2011	BY+2 2012	BY+3 2013	BY+4 and beyond	Total
Planning:	4.349	0	0	0					
Acquisition:	128.538	107.667	86.346	49.815					
Subtotal Planning & Acquisition:	132.887	107.667	86.346	49.815					
Operations & Maintenance:	5.643	8.951	6.381	16.399					
TOTAL:	138.530	116.618	92.727	66.214					
Government FTE Costs should not be included in the amounts provided above.									
Government FTE Costs	9.32	4.19	4.34	4.49					
Number of FTE represented by Costs:	22	15	15	15					

Note: For the multi-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 FY2009 President's budget request, briefly explain those changes:
 The FY2009-FY2011 total budget requirements for the SENTINEL program development have changed from the program's FY08 OMB Exhibit 300 submission. The changes resulted from a re-planning effort at the conclusion and deployment of Phase 1 that changed the fundamental engineering approach. In order to deploy SENTINEL into the hands of users faster, the program moved to an incremental delivery approach within each of the remaining 3 phases. Phases were broken into smaller segments and increments of between 3 to 6 month in duration with a fielded delivery at the end of each increment. Cost changes centered around the strategic re-planning process resulting in an ECP for Phase 2 as well as some hardware and COTS changes. SENTINEL expects Full Operational Capability (FOC) in May 2010 followed by O&M support continued through 2012. The program development stage end in 2010 with two optional years of O&M support ending in 2012.

Section C: Acquisition/Contract Strategy (All Capital Assets)

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.

Exhibit 300: FBI SENTINEL (Revision 6)

Contracts/Task Orders Table:																* Costs in millions
Contract or Task Order Number	Type of Contract/ Task Order (In accordance with FAR Part 16)	Has the contract been awarded (Y/N)	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 (\$M)	Is this an Interagency Acquisition ? (Y/N)	Is it performance based? (Y/N)	Competitively awarded? (Y/N)	What, if any, alternative financing option is being used? (ESPC, UESC, EUL, N/A)	Is EVM in the contract? (Y/N)	Does the contract include the required security & privacy clauses? (Y/N)	Name of CO	CO Contact information (phone/email)	Contracting Officer FAC-C or DAWIA Certification Level (Level 1, 2, 3, N/A)	If N/A, has the agency determined the CO assigned has the competencies and skills necessary to support this acquisition ? (Y/N)
GS-10F-0047J	Time-and-Materials	Yes	2/24/2006	3/1/2006	12/31/2009		No	No		NA	Yes	Yes				
J-FBI-06-7119	Time-and-Materials	Yes	6/21/2006	6/21/2006	12/31/2010		No	No		NA	Yes	Yes				
J-FBI-07-164	Time-and-Materials	Yes	4/27/2006	4/27/2006	3/31/2012		No	No		NA	Yes	Yes				
NIH CIO-SP2iCtr# 263-01-D-	Cost-Plus-Award-Fee	Yes	3/16/2006	3/16/2006	11/30/2012		No	Yes		NA	Yes	Yes				
DJJ-05-C-1114-D3T	Time-and-Materials	Yes	7/1/2005	7/1/2005	11/30/2010		Yes	No		NA	Yes	Yes				
GS-F10-01189T	Time-and-Materials	Yes	3/14/2006	3/14/2006	12/31/2009		Yes	No		NA	Yes	Yes				

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

The performance of all contracts and task orders in the SENTINEL Program is being monitored through an earned value management system (EVMS) that is compliant with the ANSI/EIA 748 Standard for Earned Value Management. The performance of the prime SENTINEL contractor, under the NIH CIO-SP2i contract above, is monitored under a separate EVMS in accordance with the SENTINEL Development and Deployment Task Order and the EVMS Agreement between the Defense Contract Management Agency (DCMA) and the Lockheed Martin Corporation (LMC). The performance of all other contracts and task orders funded by the SENTINEL Program, such as Program Management Office (PMO) support, is monitored by an EVMS that is operated and maintained by the SENTINEL PMO. This SENTINEL PMO EVMS has been examined by staff from the DOJ OCIO and found to be fully compliant with the ANSI/EIA 748 Standard for Earned Value Management. Contracts which do not contain the EVM provisions/clauses are contracts for Program Management Office (PMO) level of effort support. EVM provisions/clauses are not required for these contracts. All contracts are competitively awarded through the new FBI PMSS contract.

3. Do the contracts ensure Section 508 compliance? Yes

a. Explain why not or how this is being done? The requirements to satisfy Section 508 are incorporated in the System Requirements Specification (SRS). As such, they are the requirements of the development contractor. During source selection and negotiations, the FBI reviewed and accepted the contractor's plan to meet these requirements. The FBI will oversee the contract to ensure compliance.

4. Is there an acquisition plan which reflects the requirements of FAR Subpart 7.1 and has been approved in accordance with agency requirements? Yes

a. If "yes," what is the date? 8/3/2005

1. Is it Current?

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

1. If "no," briefly explain why:

Section D: Performance Information (All Capital Assets)

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 (indicators) 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 the following table to report performance goals and measures for the major investment and use the Federal Enterprise Architecture (FEA) Performance Reference Model (PRM). 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 each of the four different Measurement Areas (for each fiscal year). The PRM is available at www.egov.gov. The table can be extended to include performance measures for years beyond the next President's Budget.

Performance Information Table								
Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Target	Actual Results
2008	Prevent Terrorism and Promote the Nation's Security	Customer Results	Timeliness and Responsiveness	Delivery Time	Search Profile Efficiency, measured as the time between the entry of information into the system and the associated notification to an interested user.	Users must re-generate and re-submit queries to identify any new information that has been entered into the system. Queries are not saved.	SENTINEL will allow users to create a search profile that pushes matching information to the user within 45 minutes of that information's entry into SENTINEL. This will provide agents with a more efficient and effective data search.	SENTINEL has made planned schedule progress in the preparation for migration of legacy case data. System performance expectations are currently on track to meet the established targets.
2008	Prevent Terrorism and Promote the Nation's Security	Mission and Business Results	Law Enforcement	Criminal Investigation and Surveillance	Availability of information measured by the lag time after which approved information is available to authorized users.	Upon final approval, information is available to authorized users in a timeframe that ranges from approximately 9 hrs. to 6 mos.	SENTINEL will provide data supporting management and human resource allocation. Upon final approval SENTINEL	SENTINEL has made planned schedule progress in the preparation for migration of legacy case data. System performance

Exhibit 300: FBI SENTINEL (Revision 6)

Performance Information Table								
Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Target	Actual Results
						Currently, some case file information is never made available electronically.	information will be made available to authorized users within 10 minutes reducing the time required by agents to view approved info.	expectations are currently on track to meet the established targets.
2008	Prevent Terrorism and Promote the Nation's Security	Processes and Activities	Productivity	Productivity	Information Sharing, measured by the number of serials (or artifacts) that are maintained electronically.	Seventy percent (70%) of case file artifacts are maintained electronically.	Case file artifacts maintained electronically will increase to seventy-five percent (75%) for new case files. Allowing the intelligence community to obtain more investigative data in less time.	New Case files are not planned for integration into SENTINEL until late FY09. Program is operating within acceptable schedule and cost variance.
2008	Prevent Terrorism and Promote the Nation's Security	Technology	Information and Data	Data Reliability and Quality	Decrease data error rate by five (5%) percent per year.	25%	20%	The SENTINEL Data Migration effort has identified numerous data entry errors and has worked with the FBI records management personnel to reduce errors in the legacy data.
2009	Prevent Terrorism and Promote the Nation's Security	Customer Results	Timeliness and Responsiveness	Delivery Time	Search Profile Efficiency, measured as the time between the entry of information into the system and the associated notification to an interested user.	Users must re-generate and re-submit queries to identify any new information that has been entered into the system. Queries are not saved.	SENTINEL will allow users to create a search profile that pushes matching information to the user within 45 minutes of that information's entry into SENTINEL. This will provide agents with a more efficient and effective data search.	SENTINEL has made planned schedule progress in the preparation for migration of legacy case data. System performance expectations are currently on track to meet the established targets.
2009	Prevent Terrorism and Promote the Nation's Security	Mission and Business Results	Law Enforcement	Criminal Investigation and Surveillance	Availability of Information, measured by the lag time after which approved information is available to authorized users	Upon final approval, information is available to authorized users in a timeframe that ranges from approximately 9 hrs. to 6 mos. Currently, some case file information is never made available electronically.	SENTINEL will provide data supporting management and human resource allocation. Upon final approval SENTINEL information will be made available to authorized users within 10 minutes reducing the time required by agents to view approved info.	SENTINEL has made planned schedule progress in the preparation for migration of legacy case data. System performance expectations are currently on track to meet the established targets.
2009	Prevent Terrorism and Promote the Nation's Security	Processes and Activities	Productivity	Productivity	Information Sharing, measured by the number of serials (or artifacts) that are maintained electronically.	Seventy percent (70%) of case file artifacts are maintained electronically.	Case file artifacts maintained electronically will increase to eighty percent (80%) for new case files. Allowing the intelligence community to obtain more investigative data in less	New Case files are not planned for integration into SENTINEL until late FY09. Program is operating within acceptable schedule and cost variance.

Exhibit 300: FBI SENTINEL (Revision 6)

Performance Information Table								
Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Target	Actual Results
							time.	
2009	Prevent Terrorism and Promote the Nation's Security	Technology	Information and Data	Data Reliability and Quality	Decrease data error rate by five (5%) percent per year.	20%	15%	The SENTINEL Data Migration effort has identified numerous data entry errors and has worked with the FBI records management personnel to reduce errors in the legacy data.
2010	Prevent Terrorism and Promote the Nation's Security	Customer Results	Timeliness and Responsiveness	Delivery Time	Search Profile Efficiency, measured as the time between the entry of information into the system and the associated notification to an interested user.	Users must re-generate and re-submit queries to identify any new information that has been entered into the system. Queries are not saved.	SENTINEL will allow users to create a search profile that pushes matching information to the user within 45 minutes of that information's entry into SENTINEL. This will provide agents with a more efficient and effective data search.	TBD
2010	Prevent Terrorism and Promote the Nation's Security	Mission and Business Results	Law Enforcement	Criminal Investigation and Surveillance	Availability of information measured by the lag time after which approved information is available to authorized users.	Upon final approval, information is available to authorized users in a timeframe that ranges from approximately 9 hrs. to 6 mos. Currently, some case file information is never made available electronically.	SENTINEL will provide data supporting management and human resource allocation. Upon final approval SENTINEL information will be made available to authorized users within 10 minutes reducing the time required by agents to view approved info.	TBD
2010	Prevent Terrorism and Promote the Nation's Security	Processes and Activities	Productivity	Productivity	Information Sharing, measured by the number of serials (or artifacts) that are maintained electronically.	Seventy percent (70%) of case file artifacts are maintained electronically.	Case file artifacts maintained electronically will increase to eighty-five percent (85%) for new case files. Allowing the intelligence community to obtain more investigative data in less time.	TBD
2010	Prevent Terrorism and Promote the Nation's Security	Technology	Information and Data	Data Reliability and Quality	Decrease data error rate by five (5%) percent per year.	15%	10%	TBD
2011	Prevent Terrorism and Promote the Nation's Security	Customer Results	Timeliness and Responsiveness	Delivery Time				
2011	Prevent Terrorism and Promote the Nation's Security	Mission and Business Results	Law Enforcement	Criminal Investigation and Surveillance				
2011	Prevent Terrorism and Promote the Nation's Security	Processes and Activities	Productivity	Productivity				
2011	Prevent Terrorism and Promote the Nation's Security	Technology	Information and Data	Data Reliability and Quality				
2012	Prevent	Customer	Timeliness and	Delivery Time				

Performance Information Table								
Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Target	Actual Results
	Terrorism and Promote the Nation's Security	Results	Responsiveness					
2012	Prevent Terrorism and Promote the Nation's Security	Mission and Business Results	Law Enforcement	Criminal Investigation and Surveillance				
2012	Prevent Terrorism and Promote the Nation's Security	Processes and Activities	Productivity	Productivity				
2012	Prevent Terrorism and Promote the Nation's Security	Technology	Information and Data	Data Reliability and Quality				

Section E: Security and Privacy (IT Capital Assets only)

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).

For existing Mixed-Life Cycle investments where enhancement, development, and/or modernization is planned, include the investment in both the "Systems in Planning" table (Table 3) and the "Operational Systems" table (Table 4). Systems which are already operational, but have enhancement, development, and/or modernization activity, should be included in both Table 3 and Table 4. Table 3 should reflect the planned date for the system changes to be complete and operational, and the planned date for the associated C&A update. Table 4 should reflect the current status of the requirements listed. In this context, information contained within Table 3 should characterize what updates to testing and documentation will occur before implementing the enhancements; and Table 4 should characterize the current state of the materials associated with the existing system.

All systems listed in the two security tables should be identified in the privacy table. The list of systems in the "Name of System" column of the privacy table (Table 8) should match the systems listed in columns titled "Name of System" in the security tables (Tables 3 and 4). For the Privacy table, it is possible that there may not be a one-to-one ratio between the list of systems and the related privacy documents. For example, one PIA could cover multiple systems. If this is the case, a working link to the PIA may be listed in column (d) of the privacy table more than once (for each system covered by the PIA).

The questions asking whether there is a PIA which covers the system and whether a SORN is required for the system are discrete from the narrative fields. The narrative column provides an opportunity for free text explanation why a working link is not provided. For example, a SORN may be required for the system, but the system is not yet operational. In this circumstance, answer "yes" for column (e) and in the narrative in column (f), explain that because the system is not operational the SORN is not yet required to be published.

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?:
 - a. If "yes," provide the "Percentage IT Security" for the budget year:
2. Is identifying and assessing security and privacy risks a part Yes of the overall risk management effort for each system supporting or part of this investment?

3. Systems in Planning and Undergoing Enhancement(s), Development, and/or Modernization - Security Table(s):			
Name of System	Agency/ or Contractor Operated System?	Planned Operational Date	Date of Planned C&A update (for existing mixed life cycle systems) or Planned Completion Date (for new systems)
SENTINEL Phase 2	Government Only	7/1/2009	5/1/2009
SENTINEL Phase 3	Government Only	12/1/2009	11/1/2009
SENTINEL Phase 4	Government Only	6/1/2010	5/1/2010

4. Operational Systems - Security Table:							
Name of System	Agency/ or Contractor Operated System?	NIST FIPS 199 Risk Impact level (High, Moderate, Low)	Has C&A been Completed, using NIST 800-37? (Y/N)	Date Completed: C&A	What standards were used for the Security Controls tests? (FIPS 200/NIST 800-53, Other, N/A)	Date Completed: Security Control Testing	Date the contingency plan tested
SENTINEL Phase 2	Government Only		Yes	7/3/2007	FIPS 200 / NIST 800-53	4/29/2008	4/29/2008

5. Have any weaknesses, not yet remediated, related to any of the systems part of or supporting this investment been identified by the agency or IG?

a. If "yes," have those weaknesses been incorporated into the 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, and validated by the agency for the contractor systems above?

N/A

8. Planning & Operational Systems - Privacy Table:					
(a) Name of System	(b) Is this a new system? (Y/N)	(c) Is there at least one Privacy Impact Assessment (PIA) which covers this system? (Y/N)	(d) Internet Link or Explanation	(e) Is a System of Records Notice (SORN) required for this system? (Y/N)	(f) Internet Link or Explanation
SENTINEL Phase 1	Yes	Yes	This system is a National Security System and therefore not subject to the PIA requirement under the E-Government Act. A PIA was conducted as a matter of policy, but it has not been published due to the sensitive nature of the system.	Yes	FBI-002; http://www.usdoj.gov/jmd/privacyact.html
SENTINEL Phase 2	Yes	Yes	This system is a National Security System and therefore not subject to the PIA requirement under the E-Government Act. A PIA was conducted as a matter of policy, but it may not be published due to the sensitive nature of the system.	Yes	FBI-002; http://www.usdoj.gov/jmd/privacyact.html
SENTINEL Phase 3	Yes	No	This system is a National Security System and therefore not subject to the PIA requirement under the E-Government Act. A PIA was conducted as a matter of policy at the beginning of Phase 1 and will be conducted at the beginning of Phase 3. It is not required at this time.	Yes	FBI-002; http://www.usdoj.gov/jmd/privacyact.html
SENTINEL Phase 4	Yes	No	This system is a National Security System and therefore not subject to the PIA requirement under the E-Government Act. A PIA was conducted as a matter of policy at the beginning of Phase 1 and will be conducted at the beginning of Phase 4. It is not required at this time.	Yes	FBI-002; http://www.usdoj.gov/jmd/privacyact.html
Details for Text Options:					
Column (d): If yes to (c), provide the link(s) to the publicly posted PIA(s) with which this system is associated. If no to (c), provide an explanation why the PIA has not been publicly posted or why the PIA has not been conducted.					
Column (f): If yes to (e), provide the link(s) to where the current and up to date SORN(s) is published in the federal register. If no to (e), provide an explanation why the SORN has not been published or why there isn't a current and up to date SORN.					
Note: Working links must be provided to specific documents not general privacy websites. Non-working links will be considered as a blank field.					

Section F: Enterprise Architecture (EA) (IT Capital Assets only)

In order to successfully address this area of the capital asset plan and business case, the investment must be included in the agency's EA and Capital Planning and Investment Control (CPIC) process and mapped to and supporting the FEA. The business case must demonstrate 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 Yes

enterprise architecture?

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. SENTINEL

b. If "no," please explain why?

3. Is this investment identified in a completed and approved segment architecture? No

a. If "yes," provide the six digit code corresponding to the agency segment architecture. The segment architecture codes are maintained by the agency Chief Architect. For detailed guidance regarding segment architecture codes, please refer to <http://www.egov.gov>. 115-000

4. Service Component 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.egov.gov>.

Agency Component Name	Agency Component Description	FEA SRM Service Domain	FEA SRM Service Type	FEA SRM Component (a)	Service Component Reused Name (b)	Service Component Reused UPI (b)	Internal or External Reuse? (c)	BY Funding Percentage (d)
Data Classification	Defines the set of capabilities that allow the classification of data.	Back Office Services	Data Management	Data Classification	Data Classification		No Reuse	10
Information Exchange	Defines the set of capabilities that support the interchange of information between multiple systems or applications.	Back Office Services	Data Management	Data Exchange	Data Exchange		No Reuse	25
Legacy Integration	Defines the set of capabilities that support the communication between newer generation hardware/software applications and the previous generation of hardware/software applications.	Back Office Services	Development and Integration	Legacy Integration	Legacy Integration		No Reuse	5
Alerts and Notifications	Defines the set of capabilities that allow a customer to be contacted in relation to a subscription or service of interest.	Customer Services	Customer Preferences	Alerts and Notifications	Alerts and Notifications		No Reuse	0
Personalization	Defines the set of capabilities that change a user interface and how data is displayed.	Customer Services	Customer Preferences	Personalization	Personalization		No Reuse	0
Document Revisions	Defines the set of capabilities that support the versioning and editing of content and documents.	Digital Asset Services	Document Management	Document Revisions	Document Revisions		No Reuse	5
Library / Storage	Defines the set of capabilities that support document and data warehousing and archiving.	Digital Asset Services	Document Management	Library / Storage	Library / Storage		No Reuse	5
Case	Defines the set	Process	Tracking and	Case	Case		No Reuse	40

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4. Service Component 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.egov.gov>.

Agency Component Name	Agency Component Description	FEA SRM Service Domain	FEA SRM Service Type	FEA SRM Component (a)	Service Component Reused Name (b)	Service Component Reused UPI (b)	Internal or External Reuse? (c)	BY Funding Percentage (d)
Management	of capabilities that manage the lifecycle of a particular investigation within an organization to include creating, routing, tracing, assignment and closing of a case as well as collaboration among case handlers.	Automation Services	Workflow	Management	Management			
Audit Trail Capture and Analysis	Defines the set of capabilities that support the identification and monitoring of activities within an application or system.	Support Services	Security Management	Audit Trail Capture and Analysis	Audit Trail Capture and Analysis		No Reuse	10

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

b. 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.

c. '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.

d. Please provide the percentage of the BY requested funding amount used for each service component listed in the table. If external, provide the percentage of the BY requested funding amount transferred to another agency to pay for the service. The percentages in the column can, but are not required to, add up to 100%.

5. 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 (a)	FEA TRM Service Area	FEA TRM Service Category	FEA TRM Service Standard	Service Specification (b) (i.e., vendor and product name)
Data Exchange	Component Framework	Business Logic	Platform Independent Technologies	
Data Classification	Component Framework	Data Interchange	Data Exchange	
Document Revisions	Component Framework	Data Management	Reporting and Analysis	
Personalization	Service Access and Delivery	Access Channels	Web Browser	
Alerts and Notifications	Service Access and Delivery	Access Channels	Web Browser	
Alerts and Notifications	Service Access and Delivery	Delivery Channels	Extranet	
Alerts and Notifications	Service Access and Delivery	Delivery Channels	Intranet	
Alerts and Notifications	Service Access and Delivery	Delivery Channels	Peer to Peer (P2P)	
Alerts and Notifications	Service Access and Delivery	Delivery Channels	Virtual Private Network (VPN)	
Case Management	Service Access and Delivery	Service Requirements	Legislative / Compliance	
Legacy Integration	Service Interface and Integration	Integration	Enterprise Application Integration	
Audit Trail Capture and Analysis	Service Interface and Integration	Interoperability	Data Types / Validation	
Library / Storage	Service Platform and Infrastructure	Database / Storage	Storage	
Alerts and Notifications	Service Platform and Infrastructure	Delivery Servers	Web Servers	
Alerts and Notifications	Service Platform and Infrastructure	Hardware / Infrastructure	Servers / Computers	

a. 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

b. 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.

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

a. If "yes," please describe.

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

Section A: Alternatives Analysis (All Capital Assets)

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? 9/1/2005
 - 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: * Costs in millions
Use the results of your alternatives analysis to complete the following table:

Alternative Analyzed	Description of Alternative	Risk Adjusted Lifecycle Costs estimate	Risk Adjusted Lifecycle Benefits estimate
Alternative 1 - Service-Oriented Architecture	SENTINEL will employ a new Service-Oriented Architecture (SOA) approach to development. An SOA establishes a number of automated services that manage information for users or other systems. A SOA allow for the integration of Commercial-Off-The-Shelf (COTS) packages to satisfy various business needs by designing interface applications that utilize COTS functionality. The interfaces will need to fit into the defined SOA and information security employed to protect critical business data.		2071.66

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

Alternative 1, the Service-Oriented Architecture (SOA) was selected as the best alternative for the FBI. Each alternative was evaluated using the Value Measuring Methodology (VMM), which evaluates alternatives based on benefits (value), cost, and risk. The SOA alternative had the highest assessed value (90.6 out of 100) among the alternatives considered and is the best approach to foster information sharing and ensure adaptability of future FBI systems.

a. What year will the investment breakeven? (Specifically, 2011 when the budgeted costs savings exceed the cumulative costs.)

4. What specific qualitative benefits will be realized?

An important program benefit and an FBI requirement is that it will use an SOA. As a result, existing legacy systems can remain and an established web service can act as the interface into that systems functionality and data. To that end, the legacy Automated Case Support (ACS) system can remain while new SENTINEL services are developed to augment and replace those functions provided by ACS. A similar benefit exists when integrating Commercial Off-The-Shelf (COTS) packages into an SOA. The process of integrating a COTS package to satisfy a group of business needs is simply the creation of defining interface services that utilize the COTS functionality. Moreover, many COTS packages are developing Application Program Interfaces (APIs) that support web services. Hence, the integration process is significantly easier. Most of the functionality required for SENTINEL can be supported through the selection of appropriate COTS packages. The interface service required for each of the packages would need to fit into the defined SENTINEL SOA, and data security services need to be employed to ensure business information is properly protected. Implementing an SOA for SENTINEL will positively affect the enterprise. Basing the future on an SOA will bring the FBI's information technology capabilities into the 21st century. In addition, conforming to this modern standard will establish the FBI as a leader in conforming to Intelligence Community information sharing standards and meeting the direction provided by OMB, DOJ and the National Academy of Sciences (NAS). In the end, users will be able to access one portal for most of their investigative and analytical needs. SENTINEL will connect systems and information not previously linked and adds analytical tools that will increase the productivity of employees, timeliness of analysis and quality of information.

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

	Budgeted Cost Savings	Cost Avoidance	Justification for Budgeted Cost Savings	Justification for Budgeted Cost Avoidance
PY - 1 2007 & Prior	0	0	Not applicable. SENTINEL system not yet developed or deployed	Not applicable. SENTINEL system not yet developed or deployed
PY 2008	0	6.1	Not applicable. SENTINEL	1) Initial deployment of

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5. Federal Quantitative Benefits				
What specific quantitative benefits will be realized (using current dollars) Use the results of your alternatives analysis to complete the following table:				
	Budgeted Cost Savings	Cost Avoidance	Justification for Budgeted Cost Savings	Justification for Budgeted Cost Avoidance
			system not fully developed and not all functionality deployed; no systems retired	workflow capability and document management reducing man-hours for non-productive tasks 2) Initial deployment of supervisor and squad workboxes to consolidate task assignments in one location and reduce man-hours for non-productive tasks
CY 2009	0	60.7	Not applicable. SENTINEL system not fully developed and not all functionality deployed; no systems retired	1) Enhanced workflow deployed with additional forms and document management reducing man-hours for non-productive tasks 2) Deployment of additional workbook functionality for additional SENTINEL users for task consolidation to reduce non-productive searching and management functions. 3) Initial deployment of forms within SENTINEL automatically populates required, document-specific information, reducing or eliminating authoring time
BY 2010	8.11	183.4	SENTINEL system fully deployed; system retired commencing to include ACS and corresponding reduction of O&M costs	Full deployment of SENTINEL to include automated indexing, workflow, workboxes, document creation and management, as well as full infrastructure deployment to reduce storage requirements. Functionality reduces un-productive time and makes agents and support personnel available to support primary functions
BY + 1 2011			SENTINEL system fully deployed; all systems retired to include ACS and corresponding reduction of O&M costs	Full effect of SENTINEL functionality. Functionality reduces un-productive time and makes agents and support personnel available to support primary functions
BY + 2 2012			SENTINEL system fully deployed; all systems retired to include ACS and corresponding reduction of O&M costs	Full effect of SENTINEL functionality. Functionality reduces un-productive time and makes agents and support personnel available to support primary functions
BY + 3 2013			SENTINEL system fully deployed; all systems retired to include ACS and corresponding reduction of O&M costs	Full effect of SENTINEL functionality. Functionality reduces un-productive time and makes agents and support personnel available to support primary functions
BY + 4 2014 & Beyond			SENTINEL system fully deployed; all systems retired to include ACS and corresponding reduction of O&M costs	Full effect of SENTINEL functionality. Functionality reduces un-productive time and makes agents and support personnel available to support primary functions
Total LCC Benefit			LCC = Life-cycle Cost	

6. Will the selected alternative replace a legacy system in-part Yes or in-whole?

a. If "yes," are the migration costs associated with the migration to the selected alternative included in this investment, the legacy investment, or in a separate migration investment? This Investment

b. If "yes," please provide the following information:

5b. List of Legacy Investment or Systems		
Name of the Legacy Investment of Systems	UPI if available	Date of the System Retirement
ASSET		5/31/2010
Bank Robbery Statistical Application		5/31/2010
Case Document Access Report		5/31/2010
Criminal Informant Management System		5/31/2010

5b. List of Legacy Investment or Systems		
Name of the Legacy Investment of Systems	UPI if available	Date of the System Retirement
Financial Institution Fraud		5/31/2010
Guardian Threat Tracking System		5/31/2010
Integrated Statistical Reporting Analysis Application		5/31/2010
Investigative Case Management		5/31/2010

Section B: Risk Management (All Capital Assets)

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? 10/26/2007
 - b. Has the Risk Management Plan been significantly changed since last year's submission to OMB? Yes
 - c. If "yes," describe any significant changes:

The PMO maintains an active Risk Management program. Changes have been made to reflect organizational updates within the SENTINEL Program Management Office (PMO). The Risk Review Board meets weekly. The SENTINEL program threshold quantities have been validated, clarified, and established. A risk process and flow chart has been created by the SENTINEL Risk Management Team. Contingency plans have been developed and put into place for all "high risk items. An LMSI burn down plan has been approved and adopted by the PMO. The risk management plan has been reformatted into compliance with the FBI Life Cycle Management Directive (LCMD), Appendix H. As a result, senior management has good insight into the program risks and associated mitigation plans from which they can make timely and accurate decisions.

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 overall SENTINEL program plan is intended to minimize program risk. The SENTINEL cost baseline reflects the risk adjusted cost estimate for the work breakdown structure (WBS) and includes technical and schedule cost uncertainty inherent in the estimate. SENTINEL made baseline revisions which followed the acceptance of the Engineering Change Proposal (ECP) at the start of Phase 2. Budget items were redistributed in accordance with the new Phase 2 plan and contract documents. Program Risk and engineering documents were updated to reflect the most current SENTINEL design and include the technical and schedule risks being accessed by the SENTINEL Program Management Office (PMO) which are being used to determine impact on the life cycle cost estimate. The program maintains a Risk Reserve which consists of between 10% and 11% of the Total FY program costs minus O&M. Use of Risk Reserve dollars are controlled by Finance Division.

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

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.

1. Does the earned value management system meet the criteria in ANSI/EIA Standard-748? Yes
2. 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 CV or SV or both?
 - b. If "yes," explain the causes of the variance:
 - c. If "yes," describe the corrective actions:
3. Has the investment re-baselined during the past fiscal year? No
 - a. If "yes," when was it approved by the agency head?

4. Comparison of Initial Baseline and Current Approved Baseline

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.

Milestone Number	Description of Milestone	Initial Baseline		Current Baseline				Current Baseline Variance		Percent Complete
		Planned Completion Date (mm/dd/yyyy)	Total Cost (\$M) Estimated	Completion Date (mm/dd/yyyy)		Total Cost (\$M)		Schedule (# days)	Cost (\$M)	
				Planned	Actual	Planned	Actual			
1	Planning Phase	11/1/2005	\$4.34	3/16/2006	3/16/2006	\$4.34	\$4.32	0	\$0.02	100%
2	Acquisition Phase 1 (AP1) Gov't Program Office	10/31/2006	\$10.28	4/19/2007	6/15/2007	\$23.17	\$23.17	-57	\$0.00	100%
3	AP1 System Development	10/31/2006	\$79.11	4/19/2007	6/15/2007	\$59.70	\$59.70	-57	\$0.00	100%
4	AP1 Business Transformation & Change Management	10/31/2006	\$7.65	4/19/2007	6/15/2007	\$1.45	\$1.45	-57	\$0.00	100%
5	AP1 Management Reserve	10/31/2006	\$8.50	4/19/2007	6/15/2007	\$0.00	\$0.00	-57	\$0.00	0%
6	Acquisition Phase 2 (AP2) Gov't Program Office	6/30/2007	\$15.71	7/14/2009		\$32.58	\$24.11		\$0.00	74%
7	AP2 System Development	6/30/2007	\$73.24	7/14/2009		\$139.90	\$103.53		\$0.00	74%
8	AP2 Business Transformation & Change Management	6/30/2007	\$11.68	7/14/2009		\$2.55	\$1.89		\$0.00	74%
9	AP2 Management Reserve	6/30/2007	\$14.26	7/14/2009		\$13.33	\$1.22		(\$0.02)	9%
10	Acquisition Phase 3 (AP3) Gov't Program Office	9/30/2007	\$11.40	11/30/2009		\$8.59	\$0.00		\$0.00	0%
11	AP3 System Development	9/30/2007	\$32.65	11/30/2009		\$33.51	\$0.00		\$0.00	0%
12	AP3 Business Transformation & Change Management	9/30/2007	\$5.79	11/30/2009		\$1.36	\$0.00		\$0.00	0%
13	AP3 Management Reserve	9/30/2007	\$3.00	11/30/2009		\$3.29	\$0.00		\$0.00	0%
14	Acquisition Phase 4 (AP4) Gov't Program Office	12/31/2008	\$17.71	5/31/2010		\$10.92	\$0.00		\$0.00	0%
15	AP4 System Development	12/31/2008	\$73.27	5/31/2010		\$33.37	\$0.00		\$0.00	0%
16	AP4 Business Transformation & Change Management	12/31/2008	\$14.46	5/31/2010		\$0.59	\$0.00		\$0.00	0%
17	AP4 Management Reserve	12/31/2008	\$8.38	5/31/2010		\$4.94	\$0.00		\$0.00	0%
18	Maintenance Phase (MP) FY 2007 O&M	9/30/2007	\$12.78	5/31/2010		\$5.64	\$5.64		\$0.00	100%
19	MP FY 2008 O&M	9/30/2008	\$25.17	5/31/2010		\$14.06	\$9.30		(\$0.02)	66%
20	MP FY 2009 O&M	9/30/2009	\$34.23	5/31/2010		\$5.11	\$0.00		\$0.00	0%
21	MP FY 2010 O&M	9/30/2010	\$37.25	5/31/2010		\$17.52	\$0.00		\$0.00	0%

4. Comparison of Initial Baseline and Current Approved Baseline

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.

Milestone Number	Description of Milestone	Initial Baseline		Current Baseline				Current Baseline Variance		Percent Complete
		Planned Completion Date (mm/dd/yyyy)	Total Cost (\$M) Estimated	Completion Date (mm/dd/yyyy)		Total Cost (\$M)		Schedule (# days)	Cost (\$M)	
				Planned	Actual	Planned	Actual			
23	FY 2005 Gov't Personnel	9/30/2005	\$0.85	9/30/2005	9/30/2005	\$0.85	\$0.56	0	\$0.29	100%
24	FY 2006 Gov't Personnel	9/30/2006	\$4.16	9/30/2006	9/30/2006	\$4.16	\$3.12	0	\$1.04	100%
25	FY 2007 Gov't Personnel	9/30/2007	\$4.31	9/30/2007	9/30/2007	\$4.31	\$4.31	0	\$0.00	100%
26	FY 2008 Gov't Personnel	9/30/2008	\$4.47	9/30/2008		\$4.19	\$4.19		\$0.00	100%
27	FY 2009 Gov't Personnel	9/30/2009	\$4.47	9/30/2009		\$4.34	\$0.00		\$0.00	0%
28	FY 2010 Gov't Personnel	9/30/2010	\$1.86	9/30/2010		\$4.49	\$0.00		\$0.00	0%
29										
30										
31										
Project Totals										