

**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:

2. Agency: Department of Commerce

3. Bureau: Bureau Of The Census

4. Name of this Capital Asset: Census - Local Employment Dynamics IT Support

5. Unique Project (Investment) Identifier: (For IT investment only, see section 53. For all other, use agency ID system.) 006-07-01-02-01-4010-00

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:

Funding and budget costs in this Ex 300 are reported only for IT beginning in FY2009, instead of total program costs as in previous years.

A 21st century statistical system must provide information about the dynamic economy quickly, using data assets efficiently while minimizing the burden of collecting and providing data and fully preserving confidentiality. The Longitudinal Employer-Household Dynamics Program (LEHD) has demonstrated in the pilot stage the power and usefulness of linking multiple business/employee data sets with state-of-the-art confidentiality protections to build a longitudinal national frame of jobs.

A new initiative is being proposed in the FY10 budget to launch the Local Employment Dynamics (LED) program, leveraging and building on the external/internal investments over the past several years in the LEHD pilot program. The enhanced program supports the Commerce plan to improve American competitiveness and measures of innovation, and provide federal, state, and local policymakers and planners, businesses, private sector decision makers, and Congress with comprehensive and timely national, state, and local information on the dynamic nature of businesses and their workers.

The LED program leverages hundreds of millions of dollars invested in existing federal and state data. LEHD's use of existing federal and state data costs far less than expanding existing surveys to collect the information directly. For example, an equivalent 150-million-worker Current Population Survey would cost \$4.9 billion once a year or \$19.5 billion four times a year. By comparison, LED's proposed budget for 2010 is roughly \$15 million for integrating 150 million worker records and 26 million employer and non-employer records four times a year.

Presently, 47 states, the D.C., and the U.S. Virgin Islands are LED partners contributing worker wage records and establishment records at no cost to the job frame, from which new data and products are created about the dynamic nature of businesses and workers. The Quarterly Workforce Indicators cover unprecedented, detailed levels of geography, industry, age, and sex. The Web-based OnTheMap application shows where workers live and work with Census Block resolution.

Just this past year, LEHD provided almost-real-time quantitative assessments on the impacts on local workers and economies during the Iowa floods, Southern California wildfires, and the Minneapolis bridge collapse.

9. Did the Agency's Executive/Investment Committee approve this request? Yes

a. If "yes," what was the date of this approval? 6/25/2008

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? 7/21/2008

- 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? 7/21/2009
12. Has the agency developed and/or promoted cost effective, energy-efficient and environmentally sustainable techniques or practices for this project? No
- 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
- 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?) This program directly supports the E-Government (E-Gov) strategic goal contained in the Presidential Management Agenda (PMA) Goal 4- Expanded Electronic Government. LEHD does so by offering innovative web-based applications such as OnTheMap for easy visualization of complex spatial statistics and multiple download options of public use data for simple and timely access by the user.
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](http://www.whitehouse.gov/omb/part).) No
- a. If "yes," does this investment address a weakness found during a PART review?
- b. If "yes," what is the name of the PARTed program?
- c. If "yes," what rating did the PART receive?
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 3
17. In addition to the answer in 11(a), what project management qualifications does the Project Manager have? (per CIO Council PM Guidance) (1) Project manager has been validated as qualified for this investment
18. Is this investment or any project(s) within this investment identified as "high risk" on the Q4 - FY 2008 agency high risk report (per OMB Memorandum M-05-23) No
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: Not applicable.
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 | 54 |
| Software | 1  |

Services 32  
 Other 13  
 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? Yes

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

Name  
 Phone Number  
 Title Chief Privacy 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? No

**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:	2.127	0.765	0.099	0.475					
Acquisition:	4.074	1.464	3.379	2.775					
Subtotal Planning & Acquisition:	6.201	2.229	3.478	3.250					
Operations & Maintenance:	3.304	1.188	1.786	1.469					
TOTAL:	9.505	3.417	5.264	4.719					
<b>Government FTE Costs should not be included in the amounts provided above.</b>									
Government FTE Costs	4.442	3.919	0.259	0.684					
Number of FTE represented by Costs:	31	24	1	4					

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? Yes

a. If "yes," How many and in what year? Beginning in FY2010, LEHD plans to hire 3 IT specialists.

3. If the summary of spending has changed from the FY2009 President's budget request, briefly explain those changes:

Total program costs including information technology (IT) and non-IT costs were reported in previous exhibit 300s for 2006 to 2008. The pilot phase of the program did not allow unambiguous delineation of the IT and non-IT functions. Beginning in 2008, the IT functions at the Census Bureau were centralized, covering funding, operation, architecture, and personnel. The preparation of this exhibit 300 attempts to report only IT costs for CY 2009 and the proposed Local Employment Dynamics initiative covering BY2010-2014, while retaining the total pilot program costs for 2006-2008.

**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.

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)
YA132305CN0041	Time and Materials	Yes	9/22/2005	10/1/2005	9/30/2008		No	Yes	No	NA	Yes	Yes		william.h.russell@census.gov	Level 3	

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:

Not applicable. EVM is required for this contract.

3. Do the contracts ensure Section 508 compliance? Yes

a. Explain why not or how this is being done? InFocus is the Census Bureau software tool to evaluate 508 compliance. It is centrally distributed by the IT Directorate and made available on Windows-based PCs. LED runs InFocus and makes adjustments, on a quarterly basis. The Census Bureau also runs Compliance Sheriff periodically. This program checks web sites for privacy, quality, and accesibility compliance. Finally, the Census Bureau Usability Laboratory allows accessibility testing by evaluating code screen reader and diagnostic tools.

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? 8/25/2008

1. Is it Current? Yes

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](http://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
2006	1.3 Enhance the supply of key economic and demographic data to support effective decision-making of policy makers, businesses, and the American public.	Customer Results	Service Coverage	New Customers and Market Penetration	Number of state agencies using products already developed in prototype (QWI, welfare recipient information and commuting patterns).	29 states have links allowing them to use LEHD products.	Increase number of state agencies providing links to the LEHD website to 30 states.	The number of states using these products is 30.
2006	1.3 Enhance the supply of key economic and demographic data to support effective decision-making of policy makers, businesses, and the American public.	Mission and Business Results	General Government (CrossAgency)	Central Records and Statistics Management	Number of states part of the database infrastructure - and have access to and use core LEHD products.	29 states are part of the infrastructure and have access to and use of core LEHD products.	Program will be available for participation and is used by at least 33 states and territories. In December 2005, the goal was modified due to funding allocations.	33 states are part of the infrastructure and have access to and use of core LEHD products.
2006	1.3 Enhance the supply of key economic and demographic data to support effective decision-making of policy makers, businesses, and the American public.	Mission and Business Results	General Government (CrossAgency)	Central Records and Statistics Management	Number of federal agencies participating in reimbursable projects.	Three federal agencies participate on a one-time basis.	Two federal agencies participating through continuous reimbursable support.	Two federal agencies participate through continuous reimbursable support.

Exhibit 300: Census - Local Employment Dynamics IT Support (Revision 3)

Performance Information Table								
Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Target	Actual Results
2006	1.3 Enhance the supply of key economic and demographic data to support effective decision-making of policy makers, businesses, and the American public.	Processes and Activities	Management and Innovation	Innovation and Improvement	Number of states whose businesses the Census Bureau is able to match to businesses on the Census Business Register.	The Census Bureau has matched businesses for 29 states to the Business Register and used this to improve linkages and industrial classification for the Quarterly Workforce Indicators.	The Census Bureau has matched businesses for 30 states to the Business Register and use this to improve linkages and industrial classification for the Quarterly Workforce Indicators.	The Census Bureau has matched businesses for 30 states to the Business Register and used this to improve linkages and industrial classification for the Quarterly Workforce Indicators.
2006	1.3 Enhance the supply of key economic and demographic data to support effective decision-making of policy makers, businesses, and the American public.	Processes and Activities	Management and Innovation	Innovation and Improvement	Number of states whose workers can be matched to Census Bureau demographic surveys to improve work place and industry coding.	The Census Bureau can match workers in 29 states to Demographic surveys to improve work place and industry coding.	The Census Bureau can match workers in 30 states to Demographic surveys to improve work place and industry coding.	The Census Bureau can match workers in 30 states to Demographic surveys to improve work place and industry coding.
2006	1.3 Enhance the supply of key economic and demographic data to support effective decision-making of policy makers, businesses, and the American public.	Technology	Reliability and Availability	Availability	Number of states to which website is made available.	The website is available to 29 states.	The website will be available to 30 states.	The website is available to 30 states.
2006	1.3 Enhance the supply of key economic and demographic data to support effective decision-making of policy makers, businesses, and the American public.	Technology	Reliability and Availability	Availability	Length of time it takes to update database infrastructure.	Incoming quarterly data updates are processed in 12 weeks.	Incoming quarterly data updates will be processed in 12 weeks. In December 2005, the goal was modified due to funding allocations.	Incoming quarterly data updates are processed in 12 weeks.
2007	1.3 Enhance the supply of key economic and demographic data to support effective decision-making of policy makers, businesses, and the American public.	Customer Results	Service Coverage	New Customers and Market Penetration	Number of state agencies using products already developed in prototype (QWI, welfare recipient information, and commuting patterns).	30 states have links allowing them to use LEHD products.	Increase number of state agencies providing links to the LEHD website to 40 states.	42 states have links allowing them to use LEHD products
2007	1.3 Enhance the supply of key economic and demographic data to support effective decision-making of policy makers, businesses, and the American public.	Mission and Business Results	General Government (CrossAgency)	Central Records and Statistics Management	Number of states part of the database infrastructure - and have access to and use core LEHD products.	33 states are part of the infrastructure and have access to and use of core LEHD products.	Program will be available to and used by at least 40 states.	42 states are part of the infrastructure and access QWI ONLINE
2007	1.3 Enhance the supply of key economic and demographic data to support effective decision-making of policy makers, businesses, and the American public.	Mission and Business Results	General Government (CrossAgency)	Central Records and Statistics Management	Number of federal agencies participating in reimbursable projects.	Two federal agencies participating through continuous reimbursable support.	One federal agency participating through continuous reimbursable support.	Funding is anticipated from ETA, interagency agreement is awaiting final approval.
2007	1.3 Enhance the supply of key economic and demographic data to support	Processes and Activities	Management and Innovation	Innovation and Improvement	Number of states whose businesses the Census Bureau is able to match	The Census Bureau has matched businesses for 30 states to the	The Census Bureau has matched businesses for 40 states to the	Completed the methodology to implement improved coverage and

Exhibit 300: Census - Local Employment Dynamics IT Support (Revision 3)

Performance Information Table								
Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Target	Actual Results
	effective decision-making of policy makers, businesses, and the American public.				to businesses on the Census Business Register.	Business Register and used this to improve linkages and industrial classification for the Quarterly Workforce Indicators.	Business Register and use this to improve linkages and industrial classification for the Quarterly Workforce Indicators.	new data sets
2007	1.3 Enhance the supply of key economic and demographic data to support effective decision-making of policy makers, businesses, and the American public.	Processes and Activities	Management and Innovation	Innovation and Improvement	Number of states whose workers can be matched to Census Bureau demographic surveys to improve work place and industry coding.	The Census Bureau can match workers in 30 states to demographic surveys to improve work place and industry coding.	The Census Bureau will match workers in 40 states to demographic surveys to improve work place and industry coding.	Completed the methodology to implement additional data from ACS and HHES
2007	1.3 Enhance the supply of key economic and demographic data to support effective decision-making of policy makers, businesses, and the American public.	Technology	Reliability and Availability	Availability	Number of states to which web site is made available.	The web site is available to 30 states.	The web site is available to 40 states.	Completed - the web site is available to 40 states.
2007	1.3 Enhance the supply of key economic and demographic data to support effective decision-making of policy makers, businesses, and the American public.	Technology	Reliability and Availability	Availability	Length of time it takes to update database infrastructure.	Incoming quarterly data updates are processed in 12 weeks.	Incoming quarterly data updates will be processed in 12 weeks.	Completed Production of quarterly data is being produced in less than 12 weeks for most states
2008	1.3 Enhance the supply of key economic and demographic data to support effective decision-making of policy makers, businesses, and the American public.	Customer Results	Service Coverage	New Customers and Market Penetration	Number of products developed or number of methodological improvements.	QWI uses noise infusion techniques; OnTheMap uses synthetic data techniques.	Develop project plan, produce beta test cases for using synthetic data techniques in QWI.	Work began January 2008, completion scheduled for 2010
2008	1.3 Enhance the supply of key economic and demographic data to support effective decision-making of policy makers, businesses, and the American public.	Mission and Business Results	General Government (CrossAgency)	Central Records and Statistics Management	Number of states with agreements and/or products or number of products that use multi-state data	Agreements in place with 45 states; QWI produced for 42 states; OTM products produced for 33 states	Agreements in place with 47 states; QWI produced for 45 states; OTM products produced for 42 states	On track to complete; agreements at 47; QWI at 45; OTM expected at 45.
2008	1.3 Enhance the supply of key economic and demographic data to support effective decision-making of policy makers, businesses, and the American public.	Processes and Activities	Management and Innovation	Innovation and Improvement	Number of increased areas of workforce coverage or number of methods developed	Fraction of workforce coverage for data infrastructure and data products is private, non-farm workers	Integration of Federal Workers and Self-Employed Workers into LEHD data infrastructure	Exploratory work started; full implementation scheduled for 2010.
2008	1.3 Enhance the supply of key economic and demographic data to support effective decision-making of policy makers, businesses, and the American public.	Technology	Reliability and Availability	Availability	Length of time it takes to update database infrastructure.	Incoming quarterly data updates are processed in 12 weeks.	Continue to process quarterly data updates within 12 weeks for all state partners.	Quarterly data updates were processed within 12 weeks. Future targets have been modified to state that 'at least 90% of ontime state partners'

Exhibit 300: Census - Local Employment Dynamics IT Support (Revision 3)

Performance Information Table								
Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Target	Actual Results
	public.							instead of 'all state partners'. States that do not submit data on time cannot always be processed on time
2009	1.3 Enhance the supply of key economic and demographic data to support effective decision-making of policy makers, businesses, and the American public.	Customer Results	Service Coverage	New Customers and Market Penetration	Number of web-based, innovative products developed or enhanced	QWI Online, Industry Focus, and OnTheMap limited in time, indicators, demographic factors, industry, and geography	3 web-based products QWI Online, Industry Focus, and OnTheMap - updated for all eligible state partners	
2009	1.3 Enhance the supply of key economic and demographic data to support effective decision-making of policy makers, businesses, and the American public.	Mission and Business Results	General Government (CrossAgency)	Central Records and Statistics Management	Number of infrastructural or methodological improvements	State-based infrastructure with QWI using noise infusion and OnTheMap using synthetic data techniques	Complete one half of algorithm and codes to build synthetic data techniques into QWI and synchronizes with OnTheMap	
2009	1.3 Enhance the supply of key economic and demographic data to support effective decision-making of policy makers, businesses, and the American public.	Processes and Activities	Management and Innovation	Innovation and Improvement	Number of infrastructural or methodological improvements	Fraction of workforce coverage for data infrastructure and data products is private, non-farm workers.	Complete one half of integration of race/ethnicity, education, and federal workers; complete one third of integration of firm age, size, and structure.	
2009	1.3 Enhance the supply of key economic and demographic data to support effective decision-making of policy makers, businesses, and the American public.	Technology	Reliability and Availability	Availability	Length of time it takes to update database infrastructure.	Incoming quarterly data updates are processed in 12 weeks.	Quarterly data updates ontime for at least 90% of ontime state partners	
2010	1.3 Enhance the supply of key economic and demographic data to support effective decision-making of policy makers, businesses, and the American public.	Customer Results	Service Coverage	New Customers and Market Penetration	Number of web-based, innovative products developed or enhanced	QWI Online, Industry Focus, and OnTheMap limited in time, indicators, demographic factors, industry, and geography	3 web-based products QWI Online, Industry Focus, and OnTheMap - updated for all eligible state partners	
2010	1.3 Enhance the supply of key economic and demographic data to support effective decision-making of policy makers, businesses, and the American public.	Mission and Business Results	General Government (CrossAgency)	Central Records and Statistics Management	Number of infrastructural or methodological improvements	State-based infrastructure with QWI using noise infusion and OnTheMap using synthetic data techniques	Complete 90% of algorithm and codes for synthetic data synchronization; begin development of cross-state, national data infrastructure	
2010	1.3 Enhance the supply of key economic and demographic data to support effective decision-making of policy makers, businesses, and the American public.	Processes and Activities	Management and Innovation	Innovation and Improvement	Number of increased areas of workforce coverage or number of methods developed	Fraction of workforce coverage for data infrastructure and data products is private, non-farm workers	Complete integration of race/ethnicity, education, and Federal workers continue development for Self-Employed; begin integration of firm age, size and structure	

Performance Information Table								
Fiscal Year	Strategic Goal(s) Supported	Measurement Area	Measurement Category	Measurement Grouping	Measurement Indicator	Baseline	Target	Actual Results
2010	1.3 Enhance the supply of key economic and demographic data to support effective decision-making of policy makers, businesses, and the American public.	Technology	Reliability and Availability	Availability	Length of time it takes to update database infrastructure.	Incoming quarterly data updates are processed in 12 weeks.	Quarterly data updates ontime for at least 90% of ontime state partners	

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

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
CEN14--Longitudinal Employer-Household Dynamics (LEHD) System	Yes	Yes	<a href="http://www.census.gov/po/pia/pias/Final_LEHD_PIA.xls">http://www.census.gov/po/pia/pias/Final_LEHD_PIA.xls</a>	Yes	<a href="http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?docid=f%3Acommerce.wais&amp;dbname=2005_privacy_act">http://frwebgate.access.gpo.gov/cgi-bin/getdoc.cgi?docid=f%3Acommerce.wais&amp;dbname=2005_privacy_act</a>

**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 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. Economic - LEHD  
 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>. 152-000

<b>4. Service Component Reference Model (SRM) Table:</b> 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 <a href="http://www.egov.gov">http://www.egov.gov</a> .								
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)
The Longitudinal Employer-Household Dynamics Program	This program identifies who gains and loses from job creation--in terms of geography, industry, and commuting patterns--and the associated earnings.	Back Office Services	Data Management	Data Cleansing			No Reuse	11
The Longitudinal Employer-Household Dynamics Program	This program identifies who gains and loses from job creation--in terms of geography, industry, and commuting patterns--and the associated earnings.	Back Office Services	Data Management	Data Exchange			No Reuse	7
The Longitudinal Employer-Household Dynamics Program	This program identifies who gains and loses from job creation--in terms of geography, industry, and commuting patterns--and the associated earnings.	Back Office Services	Data Management	Extraction and Transformation	Extraction and Transformation		Internal	13
The Longitudinal Employer-Household Dynamics Program	This program identifies who gains and loses from job creation--in terms of geography, industry, and commuting patterns--and the associated earnings.	Back Office Services	Data Management	Loading and Archiving	Loading and Archiving		Internal	8
The Longitudinal Employer-Household Dynamics Program	This program identifies who gains and loses from job creation--in terms of geography, industry, and commuting patterns--and the associated earnings.	Back Office Services	Data Management	Meta Data Management			No Reuse	5
The Longitudinal Employer-Household Dynamics Program	This program identifies who gains and loses from job creation--in terms of geography, industry, and commuting patterns--and the associated earnings.	Business Analytical Services	Analysis and Statistics	Mathematical	Mathematical		Internal	25
The Longitudinal Employer-Household Dynamics Program	This program identifies who gains and loses from job creation--in terms of geography, industry, and commuting	Business Analytical Services	Business Intelligence	Decision Support and Planning			No Reuse	7

Exhibit 300: Census - Local Employment Dynamics IT Support (Revision 3)

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 <a href="http://www.egov.gov">http://www.egov.gov</a> .								
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)
	patterns--and the associated earnings.							
The Longitudinal Employer-Household Dynamics Program	This program identifies who gains and loses from job creation--in terms of geography, industry, and commuting patterns--and the associated earnings.	Business Analytical Services	Reporting	OLAP			No Reuse	2
The Longitudinal Employer-Household Dynamics Program	This program identifies who gains and loses from job creation--in terms of geography, industry, and commuting patterns--and the associated earnings.	Business Analytical Services	Reporting	Standardized / Canned			No Reuse	2
The Longitudinal Employer-Household Dynamics Program	This program identifies who gains and loses from job creation--in terms of geography, industry, and commuting patterns--and the associated earnings.	Business Analytical Services	Visualization	Graphing / Charting			No Reuse	1
The Longitudinal Employer-Household Dynamics Program	This program identifies who gains and loses from job creation--in terms of geography, industry, and commuting patterns--and the associated earnings.	Business Analytical Services	Visualization	Mapping / Geospatial / Elevation / GPS			No Reuse	3
The Longitudinal Employer-Household Dynamics Program	This program identifies who gains and loses from job creation--in terms of geography, industry, and commuting patterns--and the associated earnings.	Business Management Services	Management of Processes	Program / Project Management			No Reuse	14
The Longitudinal Employer-Household Dynamics Program	This program identifies who gains and loses from job creation--in terms of geography, industry, and commuting patterns--and the associated earnings.	Digital Asset Services	Knowledge Management	Knowledge Distribution and Delivery			No Reuse	1
The Longitudinal Employer-Household Dynamics Program	This program identifies who gains and loses from job creation--in terms of geography,	Digital Asset Services	Knowledge Management	Knowledge Distribution and Delivery			No Reuse	1

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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)
	industry, and commuting patterns--and the associated earnings.							

- 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)
Mapping / Geospatial / Elevation / GPS	Component Framework	Business Logic	Platform Independent Technologies	ESRI
Meta Data Management	Component Framework	Business Logic	Platform Independent Technologies	SAS
Data Exchange	Component Framework	Data Interchange	Data Exchange	Security Copy Processing (SCP); secure FTP; PGP
OLAP	Component Framework	Data Management	Reporting and Analysis	Online Analytical Processing (OLAP)
Mathematical	Component Framework	Data Management	Reporting and Analysis	SAS
Decision Support and Planning	Component Framework	Data Management	Reporting and Analysis	SAS
Graphing / Charting	Component Framework	Data Management	Reporting and Analysis	SAS; Excel
Data Cleansing	Component Framework	Data Management	Reporting and Analysis	SAS; Meta Data Management
Standardized / Canned	Component Framework	Data Management	Reporting and Analysis	SAS; MySQL
Knowledge Distribution and Delivery	Service Access and Delivery	Access Channels	Collaboration / Communications	Electronic Mail (E-mail); Lotus Notes
Knowledge Distribution and Delivery	Service Access and Delivery	Access Channels	Web Browser	MSIE, Firefox, Netscape
Knowledge Distribution and Delivery	Service Access and Delivery	Delivery Channels	Extranet	Apache, SAS
Knowledge Distribution and Delivery	Service Access and Delivery	Delivery Channels	Internet	Apache, SAS
Extraction and Transformation	Service Interface and Integration	Integration	Enterprise Application Integration	SAS
Loading and Archiving	Service Platform and Infrastructure	Database / Storage	Database	SAS
Loading and Archiving	Service Platform and Infrastructure	Database / Storage	Storage	SAN; Sun; 3Par
Program / Project Management	Service Platform and Infrastructure	Software Engineering	Software Configuration Management	MS Project

- 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)?

a. If "yes," please describe.

LEHD leverages MAF and TIGER database files, which provide data for Geospatial One Stop, a database used by over 25 agencies throughout the federal government.

**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?      8/22/2006
  - b. If "no," what is the anticipated date this analysis will be completed?
  - c. If no analysis is planned, please briefly explain why:

<b>2. Alternative Analysis Results:</b>			
Use the results of your alternatives analysis to complete the following table:			* Costs in millions
Alternative Analyzed	Description of Alternative	Risk Adjusted Lifecycle Costs estimate	Risk Adjusted Lifecycle Benefits estimate
1	Expand the pilot to use current administrative records and include all 50 states using a mix of government Full-Time Equivalent (FTEs) and contractor resources where necessary to perform the required functions necessary to implement the program. The Demographics Program Area determined that it would take 26 government FTEs at an average salary of \$115,385 and 18 contractors with economic expertise at a salary of \$176,048 to fulfill the stated requirements.	43.9	47.698
2	Expand the pilot to use current administrative records and include all 50 states using government FTEs to perform all necessary functions to implement the program. The Demographics Program Area determined that it would take 60 government FTEs at an average salary of \$115,385 to complete the project, three of which would have to be senior personnel (SES Grade Level 1 at a minimum) with economic expertise to fulfill the stated requirements.	47.72	51.872
3	Expand the pilot to use current administrative records and include all 50 states using three government FTEs to manage the program and contractors to perform all necessary functions to implement the program. After consulting with industry representatives, it was determined that the average cost for a consultant is approximately \$246,666 a year. Assuming a 1:1 ratio between contractors and government FTE's, a total of 30 contractors would be required to complete this program per year.	53.1	64.228
4	Discontinue the pilot program.	0	0

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

Alternative 1 was chosen not only because it was the least expensive alternative, but also because the combination of government FTEs and contractor resources provides the best mix of expertise and skills required to successfully implement the program. The cost for government FTEs in Alternative 2 is significantly higher because in order to obtain the required economic expertise, more senior individuals will be needed and these individuals will require constant training to stay abreast of changes in the economy. The costs for a contractor in Alternative 3 is significantly higher because based on consultation with consulting company representatives, it was determined that the average annual cost for a consultant was just under \$250,000 a year.

a. What year will the investment breakeven? (Specifically,                      2004 when the budgeted costs savings exceed the cumulative costs.)

4. What specific qualitative benefits will be realized?

Qualitative benefits will be extended to cover the entire nation with the funding of this initiative and include:

- Improved survey frame information. LEHD data provides important supplementary information for identifying firm births, deaths, mergers, and acquisitions in the Business Register. State partner information has also provided additional data on business addresses, industry codes, and detailed Business Register latitude/longitude geocoding.
- More accurate and complete coding. LEHD has already used the new data to develop workplace coding based on employer-reported locations, rather than survey responses provided by workers. LEHD has begun investigating the sources of differences in establishment and household surveys that lead to growing gaps between employer and household reports of employment.
- Additional sources of information. The additional universe data provided at a quarterly frequency provide a new way to triangulate information from current data sources. These universe data have been used to improve immigration counts and can be used, in turn, to improve population estimates.
- Confidentiality research. As an outgrowth of the scientific development of such sensitive files, LEHD has engaged in extensive confidentiality research. This research has resulted in new ways to publish data at a detailed geographic level by going beyond cell suppression techniques. In addition, the National Science Foundation funding has permitted research that allows more public use data files to be released safely. The development of statistically masked and simulated data (data that provide results similar to the actual microdata without disclosing respondent information) reduces the need for analysts to work in secure sites, with all the constraints necessarily imposed by the Research Data Centers. This new approach has led the LEHD Program to work closely with the Social Security Administration, the Internal Revenue Service, and the Congressional Budget Office to develop a public-use SIPP data file (expanded with life-time earnings measures that meets the Census Bureau's disclosure avoidance requirements) for the analysis of critical public policy issues such as retirement, survivorship, and disability.

6. Will the selected alternative replace a legacy system in-part or in-whole? No

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?

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

### **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? 5/15/2008
- 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:  
Cost estimates based on reasonable projections of staffing and other expenses. Benefits estimates reflect the probability of realizing various benefits.

### **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?

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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	Make program available for participation to all states and territories during FY 2006	9/30/2006	\$0.649000	9/30/2006	9/30/2006	\$0.649000	\$0.649000	0	\$0.000000	100%
2	Assess, select, acquire, install, and test computer hardware and software in the first half of FY 2006	9/30/2006	\$1.911000	9/30/2006	9/30/2006	\$1.911000	\$1.911000	0	\$0.000000	100%
3	Finalize and document production system in FY 2006	9/30/2006	\$1.854000	9/30/2006	9/30/2006	\$1.854000	\$1.854000	0	\$0.000000	100%
4	Establish and enhance quality metrics and profiles on LEHD products during FY 2006	9/30/2006	\$0.529000	9/30/2006	9/30/2006	\$0.529000	\$0.529000	0	\$0.000000	100%
5	Develop and introduce additional innovative, timely, responsive, and reliable methods and measures during FY 2006	9/30/2006	\$0.755000	9/30/2006	9/30/2006	\$0.755000	\$0.755000	0	\$0.000000	100%
6	Establish full and broad electronic delivery of LEHD products and information via both Internet and Intranet during FY 2006	9/30/2006	\$0.751000	9/30/2006	9/30/2006	\$0.751000	\$0.751000	0	\$0.000000	100%
7	Develop confidentiality protection system to provide information to decision makers without revealing individual or business identities during FY 2006	9/30/2006	\$0.251000	9/30/2006	9/30/2006	\$0.251000	\$0.251000	0	\$0.000000	100%
8	Maintain and enhance timely production and delivery of top quality LEHD information and products during FY 2007	9/30/2007	\$2.704000	9/30/2007	9/30/2007	\$3.016000	\$2.741537	0	\$0.274463	100%
9	Conduct applied research and develop innovative and responsive methods and	9/30/2007	\$2.401000	9/30/2007	9/30/2007	\$2.302000	\$2.511079	0	-\$0.209079	100%

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4. Comparison of Initial Baseline and Current Approved Baseline

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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			
	measures during FY 2007									
10	Monitor hardware, software, acquisition, and maintenance costs during FY 2007	9/30/2007	\$2.983000	9/30/2007	9/30/2007	\$1.929000	\$1.994384	0	-\$0.065384	100%
11	Maintain and enhance timely production and delivery of top-quality LEHD information and products during FY 2008	9/30/2008	\$3.477000	9/30/2008	9/30/2008	\$2.785000	\$2.945002	0	-\$0.160002	100%
12	Conduct applied research and develop innovative and responsive methods and measures during FY 2008	9/30/2008	\$2.401000	9/30/2008	9/30/2008	\$1.951000	\$2.422924	0	-\$0.471924	100%
13	Monitor hardware, software, acquisition, and maintenance costs during FY 2008	9/30/2008	\$2.983000	9/30/2008	9/30/2008	\$2.600000	\$1.968074	0	\$0.631926	100%
14	Expand, improve, and maintain IT infrastructure to ensure timely production and delivery of top-quality LEHD information and products during FY 2009, with updates ontime for at least 90% of ontime state partners	9/30/2009	\$3.526000	9/30/2009		\$4.340000	\$0.276252		-\$0.276252	0%
15	Support of research activities: synthetic data techniques in QWI and OnTheMap; integration of additional workers, firm age, firm size, and firm structure variables; integration of race/ethnicity and education.	9/30/2009	\$2.401000	9/30/2009		\$0.516000	\$0.120486		-\$0.120486	0%
16	Support of web-based dissemination activities: expansion to 47 states; exploration of web redesign	9/30/2009	\$2.983000	9/30/2009		\$0.667000	\$0.162969		-\$0.162969	0%
17	Expand, improve, and maintain	9/30/2010	\$3.816000	9/30/2010		\$1.577000				0%

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4. Comparison of Initial Baseline and Current Approved Baseline

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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			
	IT infrastructure to ensure timely production and delivery of top-quality LEHD information and products; Implement synthetic data synchronization; Complete integration of race/ethnicity, education, and Federal workers									
18	Support of research activities: start of development of cross-state, national data infrastructure; continue development for Self-Employed; begin integration of firm age, size and structure	9/30/2010	\$2.691000	9/30/2010		\$2.783000				0%
19	Support of web-based dissemination activities: Add race/ethnicity, education, federal workers, and rest of QWI; test synchronized synthetic data; develop web redesign	9/30/2010	\$3.274000	9/30/2010		\$1.043000				0%