

**Exhibit 300 (BY2008)**

<b>PART ONE</b>	
<b>OVERVIEW</b>	
<b>1. Date of Submission:</b>	2007-02-05
<b>2. Agency:</b>	009
<b>3. Bureau:</b>	20
<b>4. Investment Name:</b>	CDC Public Health Information Network (PHIN)
<b>5. UPI:</b>	009-20-01-02-01-0908-00
<b>6. What kind of investment will this be in FY2008?</b>	
Acquisition	
<b>7. What was the first budget year this investment was submitted to OMB?</b>	
FY2002	
<b>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.</b>	
<p>The Public Health Information Network (PHIN) is an essential part of CDC's strategy to increase U.S. national preparedness and response capabilities for natural occurring diseases, conditions, and the deliberate use of all threats, including biological, chemical, and radiological agents. When fully operational, PHIN will provide CDC and the Nation with integrated, essential public health information systems. Supporting CDC's Strategic Health Protection Goal - People Prepared for Emerging Health Threats, PHIN addresses scenarios that include natural and intentional threats. PHIN will: * decrease the time needed to detect and report threats to the public's health * improve the timeliness and accuracy of communications regarding such threats * Decrease the time needed to provide countermeasures PHIN serves as a comprehensive architecture, information exchange network, and set of services that will integrate existing capabilities and advance the ways in which information technology can support this public health mission. Public health comprises many organizations performing distinctive functions with the support of information systems. Many of these organizations operate as stand-alone entities. PHIN will close this gap by ensuring these organizations and information systems work as a cohesive whole to support public health preparedness and response. PHIN must ensure that integrated, and accessible systems are available for all public health jurisdictions covering the breadth of public health functional needs. Achieving this goal, to date, PHIN has met the following objectives: (a) Documented public health requirements at the local, state and federal levels (b) Identified standards from industry, federal, and health practices supporting these requirements (c) Defined specifications based on these standards and the requirements documented (d) Designed and started development of software, services, and application components that implement these specifications (e) Actively certifying systems for functional coverage and core capabilities within the PHIN Functional Areas. If funding is not allocated to advance the PHIN Initiative, NCPHI's preparedness applications would remain as standalone systems, working against the agency's strategic imperative of extending CDC's knowledge and tools to promote health protection around the world.</p>	
<b>9. Did the Agency's Executive/Investment Committee approve this request?</b>	
yes	
<b>9.a. If "yes," what was the date of this approval?</b>	
2006-06-23	
<b>10. Did the Project Manager review this Exhibit?</b>	
yes	
<b>12. Has the agency developed and/or promoted cost effective, energy-efficient and environmentally sustainable techniques or practices for this project.</b>	
no	
<b>12.a. Will this investment include electronic assets (including computers)?</b>	
yes	
<b>12.b. Is this investment for new construction or major retrofit of a Federal building or facility? (answer applicable to non-IT assets only)</b>	
no	
<b>13. Does this investment support one of the PMA initiatives?</b>	
yes	

If yes, select the initiatives that apply:

Expanded E-Government

13.a. Briefly describe how this asset directly supports the identified initiative(s)?

The President's Management Agenda identifies the use of multiple standalone systems that do not communicate with one another as a problem. Developing systems that are not interoperable do not support the President's initiative of advancing E-Government. In-line with the President's Management Agenda, through its integrated architecture, PHIN will promote and allow the sharing of information more quickly and conveniently between the federal and state, local, and tribal governments.

14. Does this investment support a program assessed using OMB's Program Assessment Rating Tool (PART)?

no

15. Is this investment for information technology (See section 53 for definition)?

yes

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

Level 2

17. What project management qualifications does the Project Manager have? (per CIO Council's PM Guidance)

(1) Project manager has been validated as qualified for this investment

18. Is this investment identified as high risk on the Q4 - FY 2006 agency high risk report (per OMB's high risk memo)?

no

19. Is this a financial management system?

no

19.a.1. If yes, which compliance area:

Not Applicable

19.a.2. If no, what does it address?

PHIN ensures the information technology that supports public health and its dependent partners operate, integrate, are accessible, and work together as a cohesive whole to support public health preparedness and response. PHIN works directly with local and state public health partners as well as other federal agencies to accomplish this.

20. What is the percentage breakout for the total FY2008 funding request for the following? (This should total 100%)

<b>Hardware</b>	1
<b>Software</b>	0
<b>Services</b>	80
<b>Other</b>	19

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

Betsy A. Dunaway

Phone Number

404.639.4642

Title

CDC CONFIDENTIALITY PRIV OFCR

Email

BDunaway@cdc.gov

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

no

**SUMMARY OF SPEND**

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.

All amounts represent Budget Authority

(Estimates for BY+1 and beyond are for planning purposes only and do not represent budget decisions)

	PY-1 & Earlier	PY	CY	BY
	-2005	2006	2007	2008
<b>Planning Budgetary Resources</b>	0.000	0.000	0.000	0.000
<b>Acquisition Budgetary Resources</b>	19.600	4.160	4.270	4.215
<b>Maintenance Budgetary Resources</b>	0.000	0.000	0.000	0.000
<b>Government FTE Cost</b>	0.400	0.455	0.510	0.565
<b># of FTEs</b>	0	4	5	5

Note: For the cross-agency investments, this table should include all funding (both managing partner and partner agencies).

Government FTE Costs should not be included as part of the TOTAL represented.

2. Will this project require the agency to hire additional FTE's?

yes

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

This project will require the agency to hire 2 FTE's in FY07

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

PHIN has now been planned to FY2012. The PHIN FY2006 budget has been adjusted to match the CDC's budget ceiling allocation which resulted in a slight adjustment downwards of \$xxxx.00

**PERFORMANCE**

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

Agencies must use Table 1 below for reporting performance goals and measures for all non-IT investments and for existing IT investments that were initiated prior to FY 2005. The table can be extended to include measures for years beyond FY 2006.

Table 1

	Fiscal Year	Strategic Goal(s) Supported	Performance Measure	Actual/baseline (from Previous Year)	Planned Performance Metric (Target)	Performance Metric Results (Actual)
1	2005	Prepare for and respond to biological,	Create specificity and detail in the preparedness	PHIN is currently in its planning stage. Partial coverage across PHIN	90% coverage across preparedness PHIN	90% coverage was completed by close of 2004

		chemical, radiological, and mass trauma hazards related to terrorism	Functional Area	Functional Areas	Functional Areas for version 1.0 of PHIN	
2	2005	Prepare for and respond to biological, chemical, radiological, and mass trauma hazards related to terrorism;	Reduce risk by increasing the reliability and validating that core PHIN capabilities and functionalities exist	23 partner systems were tested for coverage in a subset of the PHIN Countermeasure Functional Area	Increase by 100% testing for certification for PHIN compliance to date	165% increase - 61 systems have engaged the certification process
3	2005	Prepare for and respond to biological, chemical, radiological, and mass trauma hazards related to terrorism;	Increase interoperability and facilitate the seamless exchange of secure and reliable messaging using the PHIN data exchange specification or service component	Many disparate systems and networks at State and local level that are not capable of exchanging data in a standard format.	Increase by 100% number of partners' systems that successfully exchange data using the PHIN data exchange component or systems that comply with the specification	100% increase completed by end of year.
4	2005	Prepare for and respond to biological, chemical, radiological, and mass trauma hazards related to terrorism	Increase understanding of what constitutes PHIN as a whole as well as its detailed functional areas	PHIN is currently in planning stages so details have not been communicated to partners44 education sessions, including presentations, webinars, and the PHIN conference	200% increase of educational sessions	220% increase - 141 documented sessions

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

Table 2

	Fiscal Year	Measurement Area	Measurement Grouping	Measurement Indicator	Baseline	Planned Improvement to the Baseline	Actual Results
1	2006	Customer Results	New Customers and Market Penetration	Number of partners' systems that successfully exchange data using the PHIN data exchange component or systems that comply with the specification	52 systems	75% increase of partners' systems that successfully exchange data using the PHIN data exchange component or systems that comply with the specification	TBD
2	2006	Mission and Business Results	Population Health Management and Consumer	Number of new systems adopting the PHIN Functional Requirements.	TBD	20% increase in adoption of the specifications or systems within the	TBD

			Safety	These systems will support a healthier population.		PHIN Functional Areas	
3	2006	Processes and Activities	Participation	Number of communication activities or events	141 sessions	75% increase in communications and education activities	TBD
4	2006	Technology	External Data Sharing	Number of new or previously certified systems undergoing certification	61 systems	100% increase in new or previously certified systems undergoing certification	TBD
5	2007	Customer Results	New Customers and Market Penetration	Number of partners' systems that successfully exchange data using the PHIN data exchange component or systems that comply with the specification	TBD based on FY 2006	50% increase in the number of partners' systems that successfully exchange data using the PHIN data exchange component or systems that comply with the specification	TBD
6	2007	Mission and Business Results	Population Health Management and Consumer Safety	Number of new systems adopting the PHIN Functional Requirements. These systems will support a healthier population.	TBD based on FY2006	20% increase in adoption of the specifications or systems within the PHIN Functional Areas	TBD
7	2007	Processes and Activities	Participation	Number of communication activities or events	TBD based on FY2006	50% increase in communication activities	TBD
8	2007	Technology	External Data Sharing	Number of new or previously certified systems undergoing certification	TBD based on FY2006	50% increase in new or previously certified systems undergoing certification	TBD

### EA

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

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

yes

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

yes

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

CDC Public Health Information Network (PHIN)

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

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

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

*Internal or External Reuse?: 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.*

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

	<b>Agency Component Name</b>	<b>Agency Component Description</b>	<b>Service Type</b>	<b>Component</b>	<b>Reused Component Name</b>	<b>Reused UPI</b>	<b>Internal or External Reuse?</b>	<b>Funding %</b>
1	Communications	Contact Management The PHIN Directory Services will store contact information for public health partners	Customer Relationship Management	Contact and Profile Management			No Reuse	5
2	PHIN Help Desk	Online Help Information to assist partners with understanding PHIN and each of its functional areas.	Customer Initiated Assistance	Online Help			No Reuse	10
3	Training	Online Tutorials	Customer Initiated Assistance	Online Tutorials			No Reuse	5
4	Communications	The PHIN messaging system exchanges both inbound and outbound data reliably and securely.	Routing and Scheduling	Inbound Correspondence Management			No Reuse	5
5	Communications	Outbound Correspondence	Routing and Scheduling	Outbound Correspondence Management			No Reuse	5
6	PHIN Requirements	PHIN will document requirements within each of the PHIN Functional Areas.	Management of Processes	Requirements Management			No Reuse	5
7	PHIN General	PHIN will establish a program management office to effectively coordinate its subprojects. A project management	Management of Processes	Program / Project Management			No Reuse	5

		center of excellence will be created to promulgate best practices throughout the public health community.						
8	PHIN Message Validation / Requirements	PHIN will actively certify systems to ensure they meet the core functionality and capabilities.	Management of Processes	Quality Management			No Reuse	5
9	PHIN General	PHIN helps to establish the strategic planning for public health informatics.	Investment Management	Strategic Planning and Mgmt			No Reuse	5
10	PHIN General	Through the PHIN program management office, all projects will be managed through a portfolio management tool.	Investment Management	Portfolio Management			No Reuse	5
11	PHIN Communications	Delivery of public health information through Web sites, health alerts, and other media.	Content Management	Content Publishing and Delivery			No Reuse	5
12	PHIN General	Delivery of public health information via syndication to partners' sites.	Content Management	Syndication Management			No Reuse	5
13	PHIN General	Ability to generate reports from multiple data sources is critical to the early detection of a public health event.	Reporting	Ad Hoc			No Reuse	5
14	PHIN Message Validation	PHIN exchanges data from multiple organizations and systems.	Data Management	Data Exchange			No Reuse	5
15	PHIN VADS	PHIN maps into these areas through its	Data Management	Extraction and Transformation			No Reuse	5

		tools to manage and integrate data from multiple sources.						
16	PHIN Vocabulary Standards	Data Classification	Data Management	Data Classification			No Reuse	2
17	PHIN Architecture	PHIN maps into this area through its integration of CDC applications and services into an information network.	Development and Integration	Enterprise Application Integration			No Reuse	2
18	PHIN Architecture	One of the key objectives for PHIN is the integration of data to assist with early detection, outbreak management, surveillance and monitoring, and countermeasure response administration.	Development and Integration	Data Integration			No Reuse	2
19	PHIN Vocabulary Standards	PHIN elaborates vocabulary standards for public health partners	Data Management	Meta Data Management			No Reuse	2
20	IT Infrastructure	Shared supporting network services from ITSO	Organizational Management	Network Management	Network Management	009-20-02-00-01-1152-00	Internal	0

4. 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: 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.

Service Specification: 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.

	SRM Component	Service Area	Service Category	Service Standard	Service Specification (i.e., vendor and product name)
1	Requirements Management	Service Access and Delivery	Access Channels	Web Browser	Microsoft Internet Explorer
2	Requirements Management	Service Access and Delivery	Access Channels	Wireless / PDA	Blackberry



3	Requirements Management	Service Access and Delivery	Access Channels	Other Electronic Channels	CAP, DMIS
4	Data Classification	Service Access and Delivery	Service Requirements	Legislative / Compliance	HIPAA
5	Extraction and Transformation	Service Access and Delivery	Service Requirements	Hosting	SDN
6	Inbound Correspondence Management	Service Access and Delivery	Service Transport	Supporting Network Services	HL7, ebXML
7	Data Exchange	Service Platform and Infrastructure	Database / Storage	Database	Microsoft
8	Contact and Profile Management	Component Framework	Business Logic	Platform Dependent	Microsoft
9	Online Help	Service Access and Delivery	Access Channels	Web Browser	Microsoft
10	Online Tutorials	Service Access and Delivery	Access Channels	Web Browser	Microsoft
11	Outbound Correspondence Management	Service Access and Delivery	Service Transport	Supporting Network Services	HL7, ebXML
12	Program / Project Management	Component Framework	Business Logic	Platform Dependent	Microsoft
13	Quality Management	Component Framework	Business Logic	Platform Dependent	Microsoft
14	Strategic Planning and Mgmt	Component Framework	Business Logic	Platform Dependent	Microsoft
15	Portfolio Management	Component Framework	Business Logic	Platform Dependent	Microsoft
16	Content Publishing and Delivery	Component Framework	Business Logic	Platform Dependent	Microsoft
17	Syndication Management	Component Framework	Business Logic	Platform Dependent	Microsoft
18	Ad Hoc	Component Framework	Business Logic	Platform Dependent	Microsoft
19	Data Integration	Service Platform and Infrastructure	Database / Storage	Database	Microsoft
20	Enterprise Application Integration	Service Interface and Integration	Integration	Enterprise Application Integration	Microsoft
21	Meta Data Management	Service Interface and Integration	Interoperability	Data Format / Classification	Microsoft
22	Network Management	Service Access and Delivery	Service Transport	Supporting Network Services	Sonet, T3, T1

5. Will the application leverage existing components and/or applications across the Government (i.e., FirstGov, Pay.Gov, etc)?

yes

5.a. If yes, please describe.

PHIN is an integration architecture for the exchange of public health information among federal, state, and local public health partners. It prescribes requirements for connecting laboratory systems, early event detection, outbreak management, countermeasure and response administration, partner communications and alerting, and cross functional

components. Optimal use of government funds is achieved by providing PHIN vocabulary and messaging services to other CDC investments and by using shared CDC IT infrastructure services. PHIN leverages the Federal Health Architecture.

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

no

## PART TWO

### RISK

You should perform a risk assessment during the early planning and initial concept phase of the investment's life-cycle, develop 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.

Answer the following questions to describe how you are managing investment risks.

1. Does the investment have a Risk Management Plan?

yes

1.a. If yes, what is the date of the plan?

2006-05-01

1.b. Has the Risk Management Plan been significantly changed since last year's submission to OMB?

no

3. Briefly describe how investment risks are reflected in the life cycle cost estimate and investment schedule: (O&M investments do NOT need to answer.)

The PHIN scope and budget planning is based on a work breakdown structure technique that decomposes each work element into its fundamental components. Each component is evaluated based on a risk assessment. This technique helps to clearly define the deliverables to the customer. The budget is determined based on the cost and risk value of the work element. The budget for each element is derived from the most likely scenario that has been risk adjusted. The total of each element comprises the full budget for PHIN.

### COST & SCHEDULE

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

yes

2.a. What is the Planned Value (PV)?

25.780

2.b. What is the Earned Value (EV)?

25.780

2.c. What is the actual cost of work performed (AC)?

25.164

What costs are included in the reported Cost/Schedule Performance information?

Contractor and Government

2.e. As of date:

2006-12-31

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

1

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

0.000

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

1.02

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

0.616

7. Is the CV or SV greater than 10%?

no

*7.b. If yes, explain the variance.*

The cost variance is related to two items. First PHIN is expected to spend at a quicker rate in the 4th quarter of 2006 due to the PHIN conference being moved to the 4th quarter from the 2nd quarter. Second, PHIN is currently working towards becoming ANSI 748 EVM compliant, it is expected that the accounting for the milestones will better match costs once that system is fully in place.

*7.c. If yes, what corrective actions are being taken?*

The corrective action is to complete the ANSI compliant EVM system and determine if a rebaseline is necessary. Future costs are expected to equal future planned work.

*7.d. What is most current Estimate at Completion?*

52.884

*8. Have any significant changes been made to the baseline during the past fiscal year?*

no