



HIFMIP Legacy Systems Disposition Plan— DRAFT

*HUD Integrated Financial Management Improvement
Project*

U.S. Department of Housing and Urban Development

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The MIL Corporation

Revision Sheet

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HIFMIP LEGACY SYSTEMS DISPOSITION PLAN

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1.0 GENERAL INFORMATION

1.0 GENERAL INFORMATION

The Department of Housing and Urban Development (HUD) is in the process of modernizing its financial management systems in accordance with a vision of financial management consistent with modern business practices, customer service, legislation and technology. The overall initiative to implement the financial management vision is the HUD Integrated Financial Management Improvement Project (HIFMIP). Within HIFMIP, several implementation phases have been defined to provide a manageable method of moving from the current state to the desired financial management environment.

Phase I is organizational preparation for the upcoming financial systems implementation. This document, the *Legacy Systems Disposition Plan (LSDP)*, is being developed to prepare for the Phase II implementation of a new HUD-wide financial management system. The new Integrated Core Financial System (ICFS) will provide the first building block to enable later integration with other desired management improvements such as integrated financial performance management. HUD describes the end result as the Integrated Financial Management Solution (IFMS), of which ICFS is one key component. HUD is currently preparing to select and implement the ICFS using a Center of Excellence (COE) approach as described in its HIFMIP Plan (revised April 6, 2005). This *LSDP* provides a discussion of the existing legacy systems and their role in the future HIFMIP vision. The treatment of the legacy systems is addressed by fiscal year.

1.1 Identification

Table 1-1 provides summary information on the ICFS.

Table 1-1. ICFS System Information

Responsible organization	Office of the Chief Financial Officer (OCFO), HUD
System name or title	Integrated Core Financial System (ICFS); component of the HUD Integrated Financial Management Improvement Project (HIFMIP)
System code	To Be Determined
Performance Accountability and Communication System number	To Be Determined
System category	Major Financial Application
Operational status	System Define Phase of HUD's Systems Development Methodology (SDM)

Users	OCFO, Program Managers, Accounting and Finance Users, Federal Housing Administration (FHA), Government National Mortgage Association (Ginnie Mae), and Office of Federal Housing Enterprise Oversight (OFHEO)
Interaction with other systems	The system must transmit and receive data from a large number of HUD programmatic and financial feeder systems. The system must also interact with Treasury and other Federal agency systems and with some commercial systems. The system must support and integrate with e-government initiatives.

1.2 Document Overview

HIFMIP encompasses more than just a new financial system. The overall HIFMIP vision calls for a four-phased approach to fully integrate programmatic and financial information. Integrated financial and programmatic information will allow HUD to be proactive in decision-making and timely in providing information to its various constituencies. The full vision was documented in the January 12, 2004 document: *HUD's Financial Management Vision (CFO Vision Document)*. The *CFO Vision Document* was recently updated to reflect changes that have occurred since its initial publication. The updated draft was delivered on July 20, 2005. Updates to the HIFMIP vision after the SDM Define Phase has been completed will be made to the *HIFMIP Roadmap*, rather than to the *CFO Vision Document*.

The IFMS implementation approach includes the following four phases:

- Phase I: Organizational Preparation;
- Phase II: Implementation of Core Financials;
- Phase III: Operational Systems Enhancements; and
- Phase IV: Integrated Financial and Program Performance.

The *Legacy Systems Disposition Plan (LSDP)* is one component of the many tasks included in Phase I - Organizational Preparation. The Statement of Work for the LSDP (Task 5 - **Develop Legacy Systems Disposition Plan to Support the New Core Financial System**) – requires the following:

“Complete a review of HUD's business systems and processes that provide financial, budgetary and other relevant information to the core general ledger and develop a plan to support the new core financial system. The systems and processes that provide information to the current core general ledger shall be evaluated to identify whether they should be either integrated, interfaced, consolidated, replaced or eliminated to support the new core financial system. The analysis shall include assessing the status of other Departmental initiatives and projects that will impact the delivery of information to the core financial system. The assessment shall include both short term and long term solutions to ensure all required information is provided and updated to the core financial

system; and to the extent possible, supports HUD's goal to provide on-line, real-time recording of financial events/transactions.”

Results of this analysis will provide input to the *HIFMIP Roadmap*. Clear documentation of the planned disposition of each existing system that will be impacted by HIFMIP will also allow system users and owners to properly plan and prepare for the changes that will come as the ICFS roll-out occurs.

The LSDP is organized as follows:

- Chapter 2 provides background and project overview information.
- Chapter 3 addresses scope, approach and assumptions specific to the LSDP.
- Chapter 4 identifies and describes current legacy systems and their interfaces to current core financial systems.
- Chapter 5 describes known HUD systems initiatives and their relationship to HIFMIP.
- Chapter 6 provides an overview of the HUD financial systems environment by fiscal year (FY) and identifies the recommended disposition of each included legacy system.

1.3 Legacy System Disposition Plan Goals and Objectives

HIFMIP is an enterprise-wide initiative that will implement the new vision for HUD financial management. The vision includes a core financial system that provides a comprehensive source of financial, budget, and performance information to the Department. A modern and effective core financial system is key to the Department's ability to obtain an unqualified audit opinion on HUD's annual financial statements. The HIFMIP project goal is to implement an integrated financial management system that provides for the agency's general ledger, payments, receipts, cost, funds management and reporting and that integrates/interfaces with other financial program systems that support the agency's ability to manage funds and achieve program goals. IFMS will have the capability to share relevant information with other government agencies, such as the U.S. Department of the Treasury (Treasury) and includes an agency executive information system that provides financial and program management information to all internal and external stakeholders.

There are many challenges posed by HUD's current financial systems environment. The purpose of IFMS is to address these challenges and the existing weaknesses in HUD's financial environment. Systems modernization initiatives in all HUD business areas support eventual transition to a single core financial system and external service provider.

One of the primary objectives for HIFMIP is to provide a modern, integrated core financial system and solid foundation for implementation of e-Government initiatives. A related goal is to reduce the overall number of systems in use at HUD. The *Legacy Systems Disposition Plan*, (LSDP) furthers this goal by reviewing existing systems for possible consolidation, elimination, or replacement. Additionally, some legacy systems will interface with the new ICFS, and some will remain in place during the transition period with the possibility of eventual phase-out at a later phase of HIFMIP implementation.

Objectives of the LSDP include the following:

- Identify the legacy systems that are impacted by the ICFS implementation;

- Identify the current system interfaces that are impacted by the ICFS implementation; and
- Develop a recommended disposition for each impacted legacy system, including a recommendation for the future of each system as ICFS is rolled out.

Identifying HUD’s plans for the future of existing systems at this early stage in the HIFMIP life cycle will allow for clearer focus during the initial ICFS implementation. (See the *HIFMIP Roadmap*, draft October 3, 2005 for a description of HIFMIP Phases and implementation stages.) Though changes in plans may occur during the HIFMIP life cycle, necessitating updates to the LSDP, this initial plan provides a documented starting point for planning and communicating the desired target environment by FY. It will also allow time to plan for conversion, interface enhancements, required modifications to existing systems (if necessary) and system phase-out.

The LSDP will provide recommendations for each of the systems impacted by HIFMIP, including a recommended disposition. HUD should plan to revisit the LSDP strategy whenever significant changes in the financial systems environment occur. This will allow the LSDP to incorporate newly available information, lessons learned, and updated schedules from other HUD initiatives and priorities. High level changes in priorities or task schedules should also result in updates to the *HIFMIP Roadmap*.

1.4 Contacts

This section identifies HUD and contractor points of contact for this document.

1.4.1 HUD Contacts

HUD points of contact for the HIFMIP project are provided in Table 1-2 below.

Table 1-2. HUD Contacts

Type of Contact	Name	Dept.	Telephone	Email
Government Technical Representative	Kenneth Traylor	OCFO	(202) 708-0614 x 8056	kenneth.j.traylor@hud.gov
Government Technical Monitor	Jenny Shaker	OCFO	(202) 708-1136 x3805	virginia.a.shaker@hud.gov
Project Sponsor	Gail Dise	OCFO	(202) 708-1757 x3749	gail.b.dise@hud.gov
Project Manager	Mary Kohlmeier	OCFO	(202) 708-0614 x3853	mary.l.kohlmeier@hud.gov

1.4.2 MIL Contacts

Table 1-3 provides the MIL Corporation points of contact for the HIFMIP LSDP.

Table 1-3. MIL Contacts

Type of Contact	Name	Telephone	Email
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Type of Contact	Name	Telephone	Email
Operational Vice President	Linda Glasco	(202) 708-1136 x3814	lglasco@milcorp.com
Project Manager	Karen L. McGee	(202) 708-1136 x3727	kmcgee@milcorp.com

1.5 Referenced Documents

A significant amount of documentation has already been created through HIFMIP. The existing project material has been reviewed and used in preparing the LSDP. Documents that are specifically referenced in the LSDP are listed below. References to specific items within the documents are footnoted in the appropriate section of the LSDP where appropriate.

The following documents provided by or made available through HUD were used as input to the LSDP:

- American Management Systems (AMS), *Current Payroll Interface Analysis and Requirements*, April 10, 2002;
- American Management Systems (AMS), *Final PAS to HUDCAPS Interface Design, Version 25*, March 4, 2004;
- American Management Systems (AMS), *Final HUDCAPS to PAS Interface Design, Version 28*, May 31, 2002;
- Advanced Technology Systems (ATS), *HUD Procurement System (HPS) Users Manual, Release 3.6*, September 2003;
- Advanced Technology Systems (ATS), *HUD Small Purchasing System (SPS) Users Manual, Version 2.7*, September 2003;
- Advanced Technology Systems (ATS), *Fiscal Year 2006 HUD Budget Submission Enhancement Requirements Document (EZBudget/D61 v5.1)*, March 2004;
- Bradson Corporation, *Line of Credit Control System (LOCCS) A67 First Draft Report, A-127 Compliance Review*; January 25, 2005;
- FHA, *FHA Financial Statements Excel Spreadsheet Template*, October 2004;
- HUD Office of the Assistant Secretary for Administration/OCIO, *HUD's eGrants Update for Grantees*, August 10, 2004;
- HUD, *Budget Formulation System (EZBudget) Users Manual, EZB-5.1-UM-1.0*, April 2004;
- HUD, *Budget Formulation System (EZBudget) Functional Requirements Document, EZB-5.1-FRD-1.0*, December 2003;
- HUD, *E-Government Act of 2002 Second Annual Report*, December 2004;
- HUD, *Financial Management Systems as of September 30, 2005*, draft;
- HUD, *Inventory of Financial/Mixed Systems*, September 30, 2004;
- HUD, *Inventory of Automated Systems*, data included as of August 4, 2004;

- OCFO Systems Conversion to HIFMIP Plan (draft dated August 18, 2005);
- OCFO Systems Interface Inventory (August 2005); and
- Unknown, A-39 Overview of Hyperion Application Processing, (graphic).

The following documents prepared by the Initiate Stage Project Team provided specific input to the LSDP:

- *HUD Financial Systems Flow Chart*, September 4, 2003;
- *HUD Financial Systems Flow Chart Discussion Paper*, November 25, 2003; and
- *HUD Financial Management Vision*, January 12, 2004.

The following documents prepared by the Define Stage Project Team provided specific input to the LSDP:

- *HIFMIP Concept of Operations*, February 9, 2005;
- HIFMIP Memorandum HIFMIP2005-018: “Memorandum of Understanding on Detail Functional Requirements Document and Detail Data Requirements Document,” April 19, 2005 (MOU);
- *HIFMIP Detail Level Data Requirements Document*, Draft July 26, 2005;
- *HIFMIP Functional Requirements Document*, May 11, 2005;
- *HIFMIP Preliminary Roadmap*, July 5, 2005;
- HIFMIP Roadmap and LSDP Meeting Minutes, September 15, 2005; and
- *HIFMIP Roadmap*, October 3, 2005.

The following information from other sources provided input to the LSDP:

- Assistant Deputy Under Secretary of Defense (Logistics Systems Management), “Legacy System Retirement Report,” EI Toolkit Sample, November 2003;
- Infoterra Corporation, “Grantium Product Overview,” <http://grantium.com/product.htm>, October 9, 2005.
- Jackson, Joab, *Government Computer News*, “Oracle Details Fusion Plans,” July 25, 2005;
- Oracle Corporation, “Our Long-Term Commitment to Your PeopleSoft and J.D. Edwards Products,” http://www.oracle.com/peoplesoft/psft_jde_commitment.html, September 19, 2005; and
- Oracle Corporation, “Oracle® Fusion Middleware Enhances Application Foundation for Enterprise Services and Business Applications - Oracle Delivers Roadmap for Certifying Applications on Oracle Fusion Middleware,” http://www.oracle.com/corporate/press/2005_apr/042505_fusionmw.html, September 19, 2005.

1.6 Acronyms, Abbreviations, and Terminology

This section summarizes the acronyms and abbreviations used throughout the document. In addition, this section clarifies the use of several specific terms that are used in this LSDP.

The word “phase” is used within the SDM and within existing HIFMIP documentation to mean different things. There are SDM phases (e.g., Initiate, Define, Design) and the phases outlined in the *HIFMIP Roadmap*. Within each of the phases outlined in the *HIFMIP Roadmap*, there are stages and tasks, such as the initial ICFS implementation (which is part of HIFMIP Phase II, but includes multiple SDM phases). To clarify use of the word “phase” within the LSDP, the following terms will be used:

- **Phase or HIFMIP Phase**—the four major HIFMIP phases outlined in the *HIFMIP Roadmap* (e.g., Phase II is ICFS implementation).
- **SDM Phase**—the phases defined in HUD’s SDM (Initiate, Define, Design, etc.).
- **Stage**—a major component of one of the HIFMIP Phases, for example, integration of FHA core financials into ICFS is Stage 2 of Phase II.

The other area of clarification is the portion of HUD that will initially implement ICFS. Various terms have been used to define this area, including OCFO, HUD Administrative Funds, HUD Other Program Areas, and HUD Other Business Areas. To clarify, the following terms will be used throughout the LSDP:

- **HUD OCFO-Managed Organizations**— will be used throughout the LSDP to describe the scope of the initial ICFS implementation. This term encompasses HUD Other Program Areas and HUD Administrative Funds and refers to the set of programs and administrative functions currently accounted for in HUDCAPS under the financial control of OCFO (rather than FHA, Ginnie Mae or OFHEO).
- **HUD Administrative Funds**—refers to all HUD administrative funds, such as Salaries and Expenses (S&E), and Travel.
- **HUD Business Areas**—the four major areas within HUD that are independently audited: FHA, Ginnie Mae, OFHEO and Other Major Program Areas.
- **Office of the Chief Financial Officer (OCFO)**—refers to the HUD organizational unit responsible for HUD’s financial operations. OCFO will be the primary user and organization impacted by the initial ICFS implementation.
- **HUD Program Funds**—refers to HUD general programs such as subsidies and grants.
- **Other Major Programs Areas**—refers to the program areas other than those administered by FHA, Ginnie Mae and OFHEO. Other Major Program Areas include the following:
 - Office of Housing;
 - Office of Public and Indian Housing (PIH);
 - Office of Community Planning and Development (CPD);
 - Office of Fair Housing and Equal Opportunity (FHEO); and
 - Office of Healthy Homes and Lead Hazard Control.

Table 1-4 contains a glossary of acronyms and abbreviations used in this document. Refer to <http://www/hud/cfo/cfointrnt.html> for a full HUD glossary and to Appendix A for a crosswalk of HUD systems, system short names and system ids.

Table 1-4. Acronyms and Abbreviations

Acronym/Abbreviation	Definition
ADMN	Office of the Secretary for Administration
AMS	American Management Systems
BPD	Bureau of Public Debt
CFO	Chief Financial Officer
CFOAC	Chief Financial Officer Accounting Center
CMM	Capability Maturity Model
COE	Center of Excellence
COTS	Commercial-off-the-shelf
CPD	Office of Community Planning and Development
CRM	Customer Relationship Management
CSD	Customer Service Division
DEC	Departmental Enforcement Center
DRD	Detail Level Data Requirements Document
DSS	Decision Support System
EPM	Enterprise Performance Management
EFT	Electronic Funds Transfer
eTravel	FedTraveler.com
FACTS	Federal Agencies Centralized Trial Balance System
FAR	Federal Acquisition Regulations
FC	Fund Control Division of Housing Budget
FEDWIRE	Treasury, FEDWIRE Deposit System
FFMIA	Federal Financial Management Improvement Act
FFS	Federal Financial System
FHA	Federal Housing Administration
FHEO	Office of Fair Housing and Equal Opportunity
FICA	Federal Insurance Contributions Act
FIMS	Financial Information and Management System
FMFIA	Federal Managers' Financial Integrity Act
FM LoB	Financial Management Line of Business

Acronym/Abbreviation	Definition
FMS	Financial Management Service
FRD	Functional Requirements Document
FTE	Full-Time Equivalent
FTR	Financial Transaction Repository
FY	Fiscal Year
GAAP	Generally Accepted Accounting Principles
GAO	Government Accountability Office
GFRS	Government-wide Financial Reporting System
Ginnie Mae	Government National Mortgage Association
GMRA	Government Management Reform Act
GPRA	Government Performance and Results Act
GSA	General Services Administration
GTM	Government Technical Manager
GTR	Government Technical Representative
HA	Housing Authority
HIFMIP	HUD Integrated Financial Management Improvement Project
HUD	Department of Housing and Urban Development
HUDCAPS	HUD's Central Accounting and Program System
ICFS	Integrated Core Financial System
IDRP	Independent Decision and Recommendation Paper
IFMS	Integrated Financial Management Solution
IIF	Insurance in Force
IPAC	Intra-governmental Payment and Collection System
IPIA	Improper Payments Information Act
IPT	Integrated Program Team
IRS	Internal Revenue Service
IT	Information Technology
IRS	Internal Revenue Service
JFMIP	Joint Financial Management Improvement Project
LSDP	Legacy Systems Disposition Plan

Acronym/Abbreviation	Definition
MAF	Master Account File
MFH	Office of Multi-Family Housing
MOU	Memorandum of Understanding
NFC	National Finance Center
NLS	Nortridge Loan System
OCFO	Office of the Chief Financial Officer
OCIO	Office of the Chief Information Officer
OCPO	Office of the Chief Procurement Officer
OFFM	Office of Federal Financial Management
OFHEO	Office of Federal Housing Oversight
OH	Office of Housing
OIG	Office of the Inspector General
OIT	Office of Information Technology
OITIM	Office of Information Technology Investment Management
OMB	Office of Management and Budget
OMHAR	Office of Multifamily Housing and Assistance Restructuring
OSDM	Office of System and Development
PCAS	Project Cost Accounting Subsystem
PCS	Permanent Change of Station
PHA	Public Housing Authority
PIH	Public and Indian Housing
PL	Public Law
PMA	President's Management Agenda
PMO	Project Management Office
PWP	Project Work Plan
REAC	Real Estate Assessment Center
RITA	Relocation Income Tax Allowance
S&E	Salaries and Expenses
SATO	Scheduled Airline Traffic Office
SDM	Systems Development Methodology

Acronym/Abbreviation	Definition
SI	Systems Integrator
SS	Social Security
SSA	Social Security Administration
SSI	Supplemental Social Security
SSL	Secure Socket Layer
SUSF	HUDCAPS Suspense File
TDY	Temporary Duty
TFCS	Treasury Financial Communication System
TFM	Treasury Financial Manual
Treasury	Department of the Treasury
Treasury SPS	Treasury Secure Payment System
VA	Veterans Affairs
VRS	Voice Response System
WCF	Working Capital Fund

2.0 HIFMIP BACKGROUND AND PROJECT OVERVIEW

2.0 HIFMIP BACKGROUND AND PROJECT OVERVIEW

The purpose of this chapter is to provide a brief overview of HUD’s current and future financial systems environments and the HIFMIP project structure. This chapter includes the following sections:

- Section 2.1—HIFMIP Background and Context, and
- Section 2.2—HIFMIP Vision.

2.1 HIFMIP Background and Context

This section provides background and context for HIFMIP, focusing on the financial systems background and environment.

The original *CFO Vision Document* described in detail the long-standing problems, weaknesses, challenges and issues inherent in the HUD financial systems environment and documented the necessity to replace the core financial system with a state of the art OFFM-compliant ICFS¹. A summary of the current systems environment, along with an overview of its existing problems and issues is included in the remainder of Section 2.1.

Within HUD’s major program areas are four units that are independently audited:

1. Federal Housing Administration (FHA);
2. Government National Mortgage Association (Ginnie Mae);
3. The Office of Federal Housing Enterprise Oversight (OFHEO);
4. Other Major Program Areas:
 - a. Office of Housing;
 - b. Office of Public and Indian Housing (PIH);
 - c. Office of Community Planning and Development (CPD);
 - d. Office of Fair Housing and Equal Opportunity (FHEO); and
 - e. Office of Healthy Homes and Lead Hazard Control.

These audited statements are combined for the Departmental level financial statements and reports. Auditors who have reviewed HUD financial statements have identified shortcomings in HUD’s ability to retrieve timely and accurate data from current financial systems. In addition, auditors have reported the need for improved quality control, improved funds control and improved processes for reviewing obligation and financial balances. Inadequate financial information severely limits management’s ability to perform essential financial analysis. Even though auditors have provided unqualified audit opinions, they have recommended that HUD address the shortcomings and limitations in the current financial management environment. This is a primary factor in undertaking the development and implementation of the ICFS and the overall HIFMIP initiative.

¹HUD’s *Financial Management Vision*, Section 2.2, “Core Financial Solution,” January 12, 2004.

For more than twenty years, HUD has undertaken various projects to address its financial management needs.² In 1991, the American Management Systems' (AMS) Federal Financial System (FFS) Commercial Off-the-Shelf (COTS) software solution was purchased with the expectation that FFS would be used for all HUD departmental accounting transactions. In reality, FFS was implemented for portions of HUD programs and offices, but not the full range of Departmental transactions, as initially envisioned.

In 1998, FFS, now known as HUD's Central Accounting and Program System (HUDCAPS), was redefined and redeployed to act as the HUD-wide general ledger. The HUDCAPS general ledger was intended to capture, record, control and summarize HUD's financial operations across all business areas (as initially intended at acquisition). Despite these efforts, software and technical limitations within HUDCAPS and the lack of a fully integrated core financial system are the roots of many of HUD's identified material weaknesses and reportable conditions documented in annual audits since 1991. This fact, combined with many other problems and concerns such as stove-piped systems and outdated technology, led to the HIFMIP initiative.

HIFMIP must consider the requirements of all stakeholders, including both internal and external organizations and individuals. HUD interacts with many third parties, including commercial entities, other government agencies, and a variety of other partners and stakeholders in addition to the many financial and program personnel that provide and/or use HUD financial information. The roles and relationships of all HIFMIP stakeholders need to be included in the overall HIFMIP context. Figure 2-1 illustrates the relationship of HIFMIP to the internal and external stakeholders.

²*HUD Integrated Financial Management Improvement Project (HIFMIP) Presentation to Executive Advisory Committee, Historical Perspective slides, July 9, 2004.*

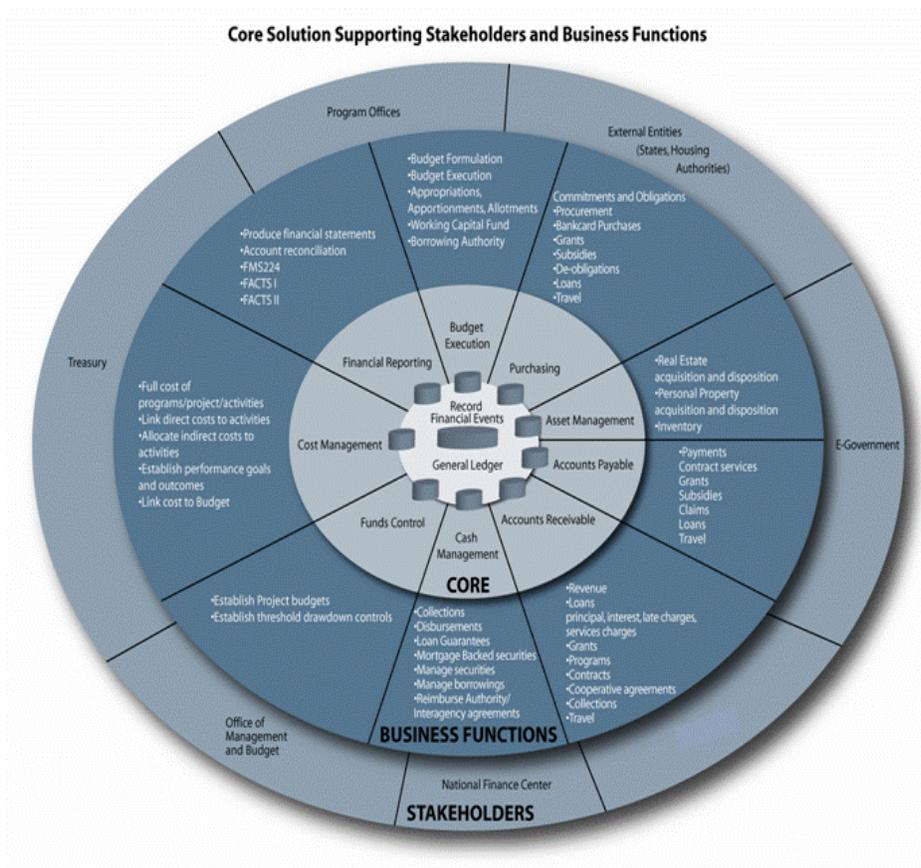


Figure 2-1. HIFMIP Context Diagram

2.2 HIFMIP Vision

This section summarizes the future financial systems vision described in more detail in the *CFO Vision Document*. As Figure 2-2 depicts, integrated financial management fundamentally supports the mission of HUD and is an inherent function of the delivery of all programs.

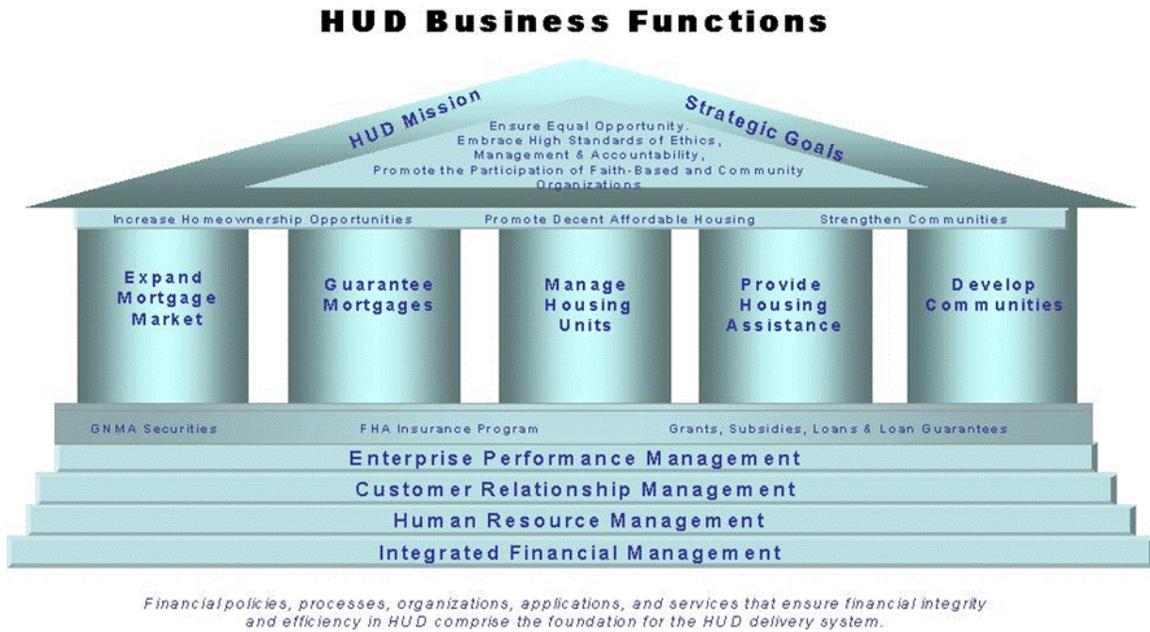


Figure 2-2. HUD Business Functions³

To enable cost-effective mission achievement and risk mitigation, financial management at all levels of HUD must manage and control programs through activities that:

- Capture business event information;
- Ensure budgetary integrity;
- Establish financial control over obligations and costs; and
- Produce timely, accurate, consistent, and complete financial data.

HUD’s vision for the future is an IFMS that includes ICFS, Customer Relationship Management (CRM), Enterprise Performance Management (EPM) and Decision Support System (DSS) capabilities, along with the integration of information from many other systems. Figure 2-3 illustrates this integrated vision.

³HUD’s Financial Management Vision, Figure ES-1.

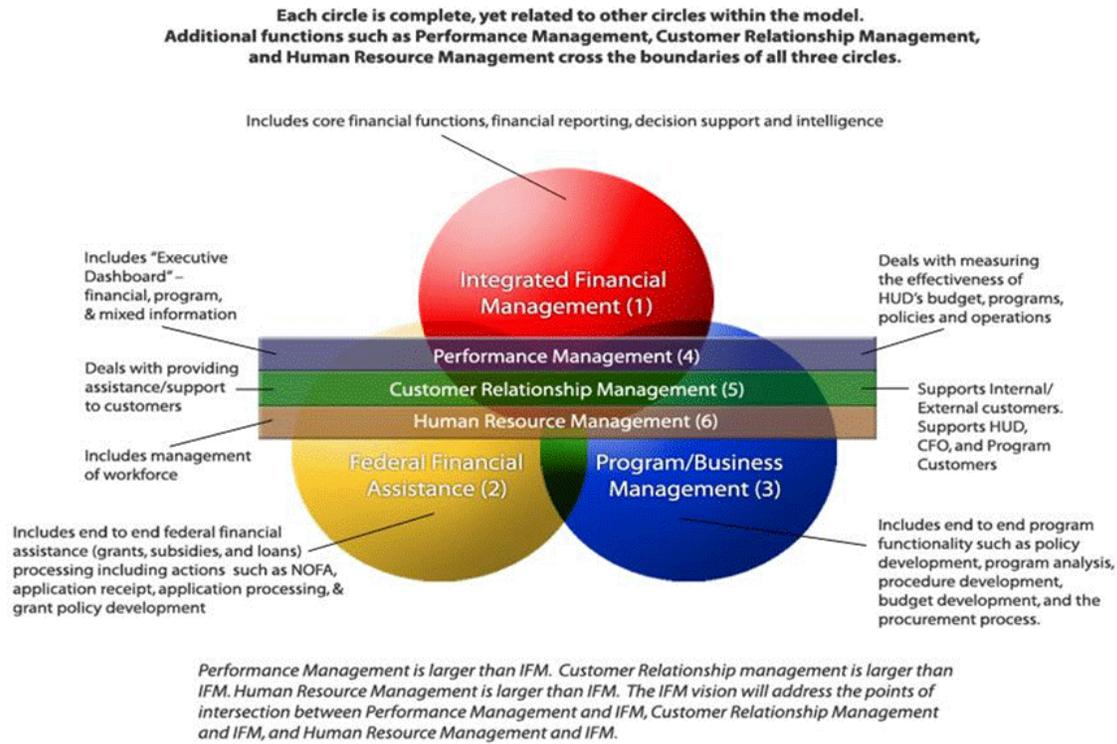


Figure 2-3. HIFMIP Integrated Financial Management Diagram⁴

The most developed portion of the HIFMIP vision is ICFS. ICFS will be the first portion of the IFMS to be implemented and will be in place at the conclusion of HIFMIP Phase II. Figure 2-4 illustrates the planned ICFS end-state architecture at the conclusion of the HIFMIP initiative. In the diagram, the left side details the proposed system architecture for ICFS as managed in a HUD computing environment. The right side of the diagram represents the government-wide initiative to host and manage core financial management functions in a COE environment. This diagram focuses on the overall ICFS architecture without identifying each subsidiary system by name. More detailed information on individual systems and the systems architecture during the transition years is included in Chapter 6.

⁴HUD's Financial Management Vision, January 12, 2004, Figure 1-3.

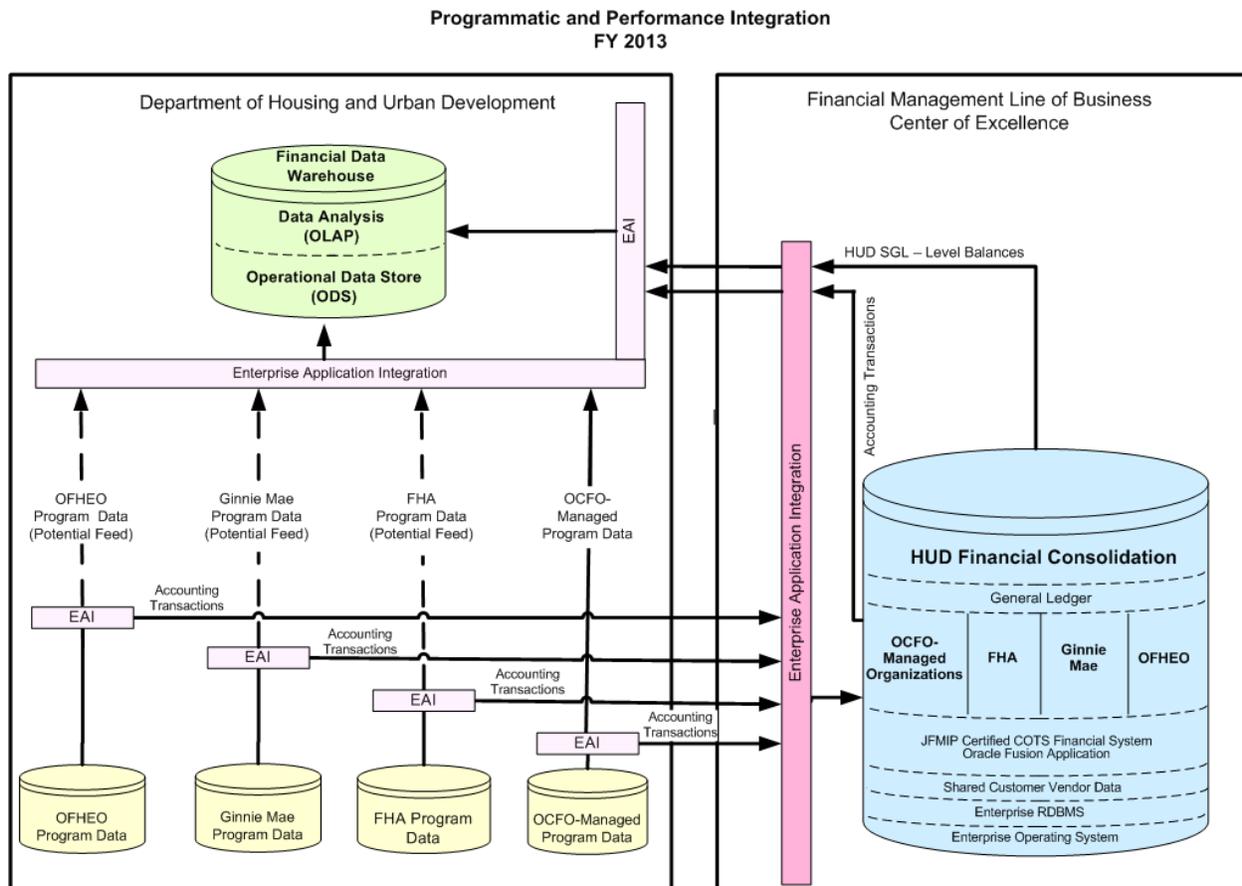


Figure 2-4. ICFS High Level Systems Architecture – HIFMIP End State

Figure 2-4 illustrates the ideal or desired solution for HUD core financials. This vision is an enterprise-wide single vendor/single instance system. This single platform core financial system, with subsidiary ledgers for the FHA, Ginnie Mae, OFHEO and OCFO-Managed Organizations uses dedicated applications, common vendor and customer files, and a common database to capture and record financial events at the transaction level as shown in the figure.

The integrated financial management vision includes the entire financial management cycle for HUD. The scope of the key financial management functions extends beyond core accounting to enterprise-wide financial management. It encompasses the origination of transactions across the Department's program and other administrative areas, as well as core accounting and reporting. The financial management cycle includes processes and functions necessary to execute and automate both the budgetary and proprietary Federal accounting transactions. Establishing a seamless integrated system for managing all financial activity in a robust relational database is a desired component of the overall vision. The core solution enforces the following:

- Standard data classifications (definitions and formats) for establishing and recording financial events,
- Common processes for similar kinds of transactions,
- Internal controls over data entry and transaction processing,
- Elimination of unnecessary duplication of transaction entry, and

- Elimination of fragmentation in the accounting cycle.

ICFS will serve as the single and central source for the following:

- Approved budgetary information at every level of the budget process once an appropriation has been passed, from appropriation to apportionment to allotment to the field site budgetary control levels;
- Commitments, obligations, costs and outlays based on funds availability as established by the budgetary controls;
- Detailed financial/cost accounting transactions within sub-ledgers; and
- General Ledger balances based on posted entries from the sub-ledgers.

Funds will be controlled through a combination of budgetary general ledger entries (that establish basic funding limits) with integrated purchasing controls to verify available funds before allowing approvals, commitments or obligations. Invoice approval (matching) will be controlled by the associated purchase orders and outlays by the invoices. Basically, every dollar will be controlled and accounted for from appropriation through the lowest level of funds distribution through final outlay in a seamlessly integrated system.

ICFS supports all of HUD's current business functions. Figure 2-5 maps HUD's current business functions to the components of the core solution.

Future State Mapped to Business Functions

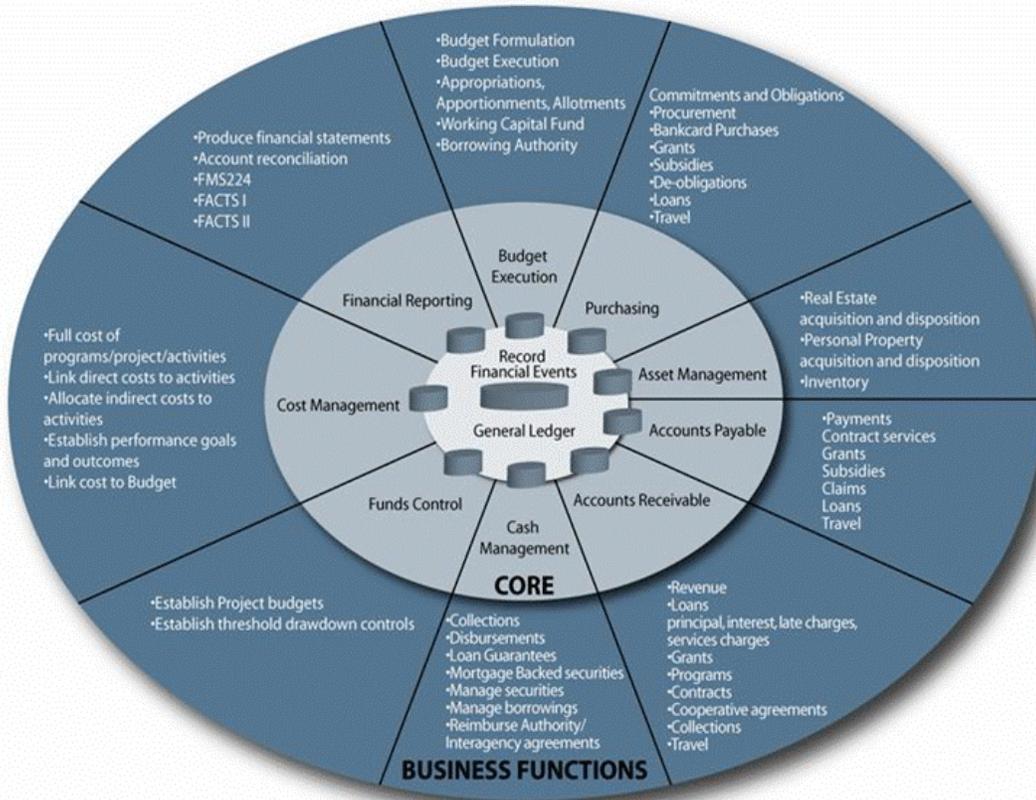


Figure 2-5. Future State Mapped to Business Functions⁵

ICFS will include the financial functions listed in Table 2-1.

Table 2-1. ICFS Core Financial Activities

Functional Area	Financial Activities
Budget	<ul style="list-style-type: none"> ▪ Budget Formulation Results ▪ Appropriation ▪ Apportionment ▪ Allotment
Budget Execution and Cost Management	<ul style="list-style-type: none"> ▪ Procurement/Acquisition <ul style="list-style-type: none"> • Commitment • Obligation • De-obligation ▪ Accounts Payable

⁵HUD’s Financial Management Vision , Section 2.3 “Supported Business Functions.”

Section 2.0 HIFMIP Background and Project Overview

Functional Area	Financial Activities
	<ul style="list-style-type: none">▪ Expenditures▪ Payment
Resource Management and Control	<ul style="list-style-type: none">▪ Funds Control▪ Accounts Receivable▪ Cash Management▪ Asset Management▪ Customer and Vendor Master Files▪ General Ledger
Measurement and Reporting	<ul style="list-style-type: none">▪ Financial Reporting▪ Cost Accounting

3.0 SCOPE AND APPROACH

3.0 SCOPE AND APPROACH

HUD's vision is to achieve integrated financial management by employing a common set of FFMIA-compliant procedures, processes and controls that are supported by a modern, integrated suite of OFFM (formerly JFMIP)-compliant financial management systems. These systems must enable the end-to-end capture and recording of timely and accurate information from the point of origin to the point of dissemination. HUD will operate in an efficient, business-like manner, providing accurate, reliable, and timely financial information to all stakeholders and consistently achieving clean audit opinions. Financial information should depict HUD's overall fiscal performance along with more detailed information on HUD programs and supporting operations. Available information should also support decision-making and performance management.

Key tenets of the vision for the ICFS include an integrated system that:

- Processes and reports on all core financial events enterprise-wide from point of origin to point of dissemination;
- Provides a full range of integrated analytical and decision support capabilities to stakeholders;
- Provides online, real-time access to and processing of financial information;
- Seamlessly integrates with HUD's major business systems to ensure all financial events are recorded in a timely standardized manner;
- Employs a standard financial business model to ensure common definitions and usage of fiscal data across HUD;
- Leverages the full range of e-government initiatives; and
- Allows for implementation alternatives that provide key management checkpoints to achieving the desired outcome.

This chapter addresses the following areas:

- HIFMIP Scope and Approach (Section 3.1) and
- LSDP Scope, Approach and Assumptions (Section 3.2).

3.1 HIFMIP Scope and Approach

HIFMIP is a multi-year project that will replace the current core financial system with an integrated financial management solution. Integrated financial management includes all financial management organizations and financial systems that provide financial information to HUD's consolidated financial statements.

The current core financial system's subsidiary systems that are integrated, interfaced or otherwise provide information to the current core financial system will be affected as the HIFMIP Project Team implements a phased plan to transition HUD to the new integrated system. The existing core financial system will be phased out over the implementation period and relevant data transferred to ICFS. Similarly, the current subsidiary financial systems will be assessed and decisions made whether to integrate, interface, adapt, enhance, consolidate or replace the existing systems to support the HIFMIP Vision.

An initial analysis and recommended treatment for the subsidiary financial systems was included in the *Functional Requirements Document* (FRD) delivered May 11, 2005. The final disposition will be based on a comprehensive analysis that includes prioritizing those systems that have the greatest impact on HUD's business processes and have the potential to provide improved delivery of services to support its major programs. This LSDP is a key component of the comprehensive analytical process.

ICFS will eventually be used to support core financial functions for all of HUD's major business areas:

- HUD OCFO-Managed Organizations,
- FHA,
- Ginnie Mae, and
- OFHEO.

The initial implementation of ICFS focuses on core financial systems and functions.

The *HIFMIP Roadmap* provided an approach to moving from the current state to the desired future state for HUD financial operations. The four phases of the implementation approach include:

- Phase I: Organizational Preparation,
- Phase II: Implementation of Core Financials,
- Phase III: Operational Systems Enhancements, and
- Phase IV: Integrated Financial and Program Performance.

HIFMIP Phase I will end with the selection of the COE/Systems Integrator to host and facilitate ICFS implementation (targeted for March 31, 2006). The LSDP is a part of the Phase I – Organizational Preparation – activities.

Phases II through IV are logical organizational pieces of HIFMIP. Each Phase will include several stages or components. The term “stage” differentiates major components of a Phase from the Phase itself or the HUD SDM Phases that comprise an implementation effort. Stage refers to logical subdivisions within a Phase. For example, within Phase II – ICFS Implementation, one stage would be Ginnie Mae's implementation of ICFS.

Table 3-1 lists the HIFMIP Phases and the stages within each Phase. Additional stages may be defined as work under the HIFMIP project continues, particularly in Phases III and IV.

Table 3-1. HIFMIP Roadmap Phases and Corresponding Stages

HIFMIP Phase	Stage	Stage Description	Target Implementation Timeframe
Phase I – Organizational Preparation	N/A	Planning and preparation for ICFS Implementation	FY 2006
Phase II – Implementation of Core Financials	II-1	Implement ICFS for HUD OCFO-Managed Programs at COE	FY 2008
	II-2	FHA ICFS Integration at COE	FY 2009
	II-3	Ginnie Mae ICFS Integration at COE	FY 2010
	II-4	Upgrade to Fusion at COE	FY 2011
	II-5	OFHEO ICFS Integration at COE	FY 2012
Phase III - Operational Systems Enhancements	III-1	Subsidiary Financial Systems Enhancements and Interfaces (e.g., LAS, LOCCS, IATS)	FY 2006 – 2009
	III-2	Program Systems Enhancements and Interfaces (e.g., IDIS, TRACS, Grantium)	FY 2007 - 2011
	III-3	Budget Formulation/Budget Preparation System Integration	FY 2010
	III-4	New Procurement System Integration/ HPS, SPS Interface Replacement	FY 2010
	III-5	DARTS Integration into ICFS	FY 2010
Phase IV - Financial and Program Performance	IV-1	Financial Data Warehouse (FDM replacement)	FY 2012 - 2013
	IV-2	Customer Relationship Management System Implementation/ Integration	FY 2012 - 2013
	IV-3	Decision Support System Implementation/ Integration	FY 2012 - 2013
	IV-4	Enterprise Performance Management System Implementation/ Integration	FY 2012 - 2013

As a general rule, HUD’s priorities for implementation of the identified stages are in the order listed in Table 3-1 above. Deployment of ICFS must precede the other stages to realize the full benefits of both functional and technological advancements. Phases will overlap as implementation efforts are underway. For example, the Loan Accounting System (LAS) (A21) upgrade, included in Phase III-1, has already begun. Overlap of LAS (A21) and ICFS initiatives will occur throughout FY 2006 through FY 2009.

Factors that will affect planned HIFMIP stages and systems dispositions include the following:

- Other HUD System Initiatives;
- Administration/Office of the Chief Information Officer (OCIO) Capital Asset Planning goals to reduce the total number of systems through the implementation of enterprise-wide

systems—the new enterprise-wide systems will be COTS systems that meet at least 80% of the agencies' requirements and support e-Government and Administration priorities;

- Federal requirements that agencies should adapt government-wide system solutions if the solutions are cost effective, efficient and supportive of the mission, goals and objectives of the agencies; and
- Impacts of OCIO contractor support for HUD systems and infrastructure.

At the end of Phase II, OCFO-Managed Organizations, FHA, Ginnie Mae and OFHEO will have transitioned to the new COTS financial system at the COE. During Phase II, the selected Systems Integrator (SI)/COE will recommend and adapt solutions and systems that employ stable and proven technologies for final transition to a single integrated system.

Some stages may move up or down in the priority listing depending upon functionality available with the selected COTS software package, i.e., PeopleSoft. For example, Hyperion (A39) is currently scheduled to be replaced in FY 2009 with PeopleSoft's COTS financial reporting component. Replacement of Hyperion may be incorporated into the initial ICFS implementation for HUD OCFO-Managed Organizations in FY 2008 if the reporting tools and functionality available with the newly implemented COTS would require a relatively low level of effort to install and configure.

Details on the planned environment for each fiscal year and the transition from year to year can be found in Chapter 6. Appendix B summarizes the planned financial systems environment by fiscal year, along with a brief description of the accomplishments planned for each fiscal year.

Figure 3-1 illustrates the overall HIFMIP timeline.

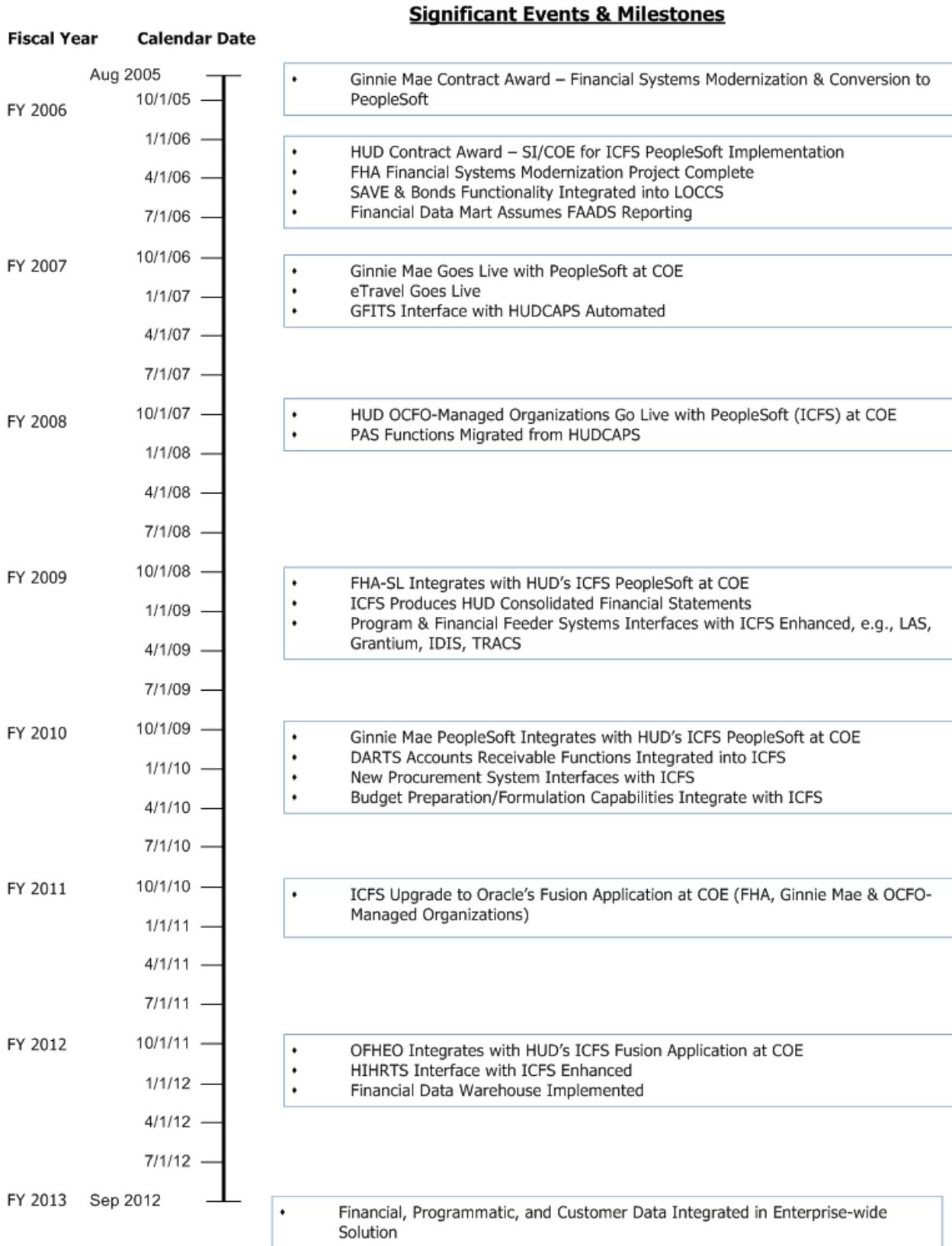


Figure 3-1. HIFMIP Timeline

3.2 LSDP Scope, Approach and Assumptions

The focus of the LSDP is on defining the existing systems that will be impacted by the implementation of ICFS and developing a recommended strategy for handling each legacy system as ICFS is implemented. This section provides the context for the work done to prepare the LSDP. It summarizes the assumptions that were used, the approach to conducting the analysis and the scope of the analysis conducted.

3.2.1 Assumptions

Because of the number of financial and mixed systems in HUD's overall systems environment and the many concurrent systems modernization initiatives underway, the following assumptions were used in preparing this document:

- The starting point for systems to be included in the LSDP analysis is the *HUD Inventory of Financial/Mixed Systems* as of September 30, 2004. Additions to this list came from the OCFO Systems Conversion to HIFMIP Plan (dated August 18, 2005) and a working session held September 15, 2005 to review LSDP scope and approach.
- The starting point for interfaces to be considered in the LSDP analysis is the *OCFO Interface Inventory* provided to the Define Stage Project Team on August 4, 2005.
- The scope of the analysis defined in the LSDP supersedes the scope that was outlined for the HIFMIP requirements analysis tasks under the MOU. (The LSDP is broader in scope than originally defined.)
- Information about the status and timing of existing and planned financial systems provided during the August 2-3, and September 15, 2005 working sessions was used to prepare the systems environment diagrams by FY and the recommended systems dispositions in the LSDP. Changes in system status and future plans can change over time; the LSDP will need to be updated to reflect these changes as they occur.
- Where a conflict exists between documented information in prior HIFMIP documents, the Inventory of Automated Systems (IAS), or other written documentation and the information provided during the August 2-3, and September 15, 2005 working sessions, we have relied upon the information provided in the working sessions as being more accurate and up-to-date.
- All four of HUD's major business areas will be transitioning to the same financial management system software (i.e., PeopleSoft) as their existing systems are replaced or upgraded.
- FHA will complete its financial systems modernization initiatives as planned by April 2006.
- Ginnie Mae will complete its implementation of PeopleSoft as scheduled by September 2007.

3.2.2 Approach

The Define Phase Project Team's approach to conducting the legacy systems analysis includes the following steps:

- Identify all systems that interface with or provide financial information to HUDCAPS. Identification of the systems began with those listed in the 2004 *HUD Inventory of Financial/Mixed Systems* (Attachment 4). This listing was cross-checked to the September

30, 2005 draft listing which became available during preparation of the revised LSDP draft. No additional systems were identified in the 2005 listing.

- Perform reviews of other HUD-provided documentation, e.g., OCFO Interface Inventory, OCFO Systems Conversion to HIFMIP Plan and *HUD Financial Systems Flow Chart Discussion Paper* to account for all potential financial systems.
- Gather and review information about identified legacy systems and the information they provide to the core financial system(s). This information gathering included two working sessions during the week of August 1, 2005 and a follow up meeting on September 15, 2005.
- Validate or update the initial assessment and recommended disposition of all systems contained in MOU memo HIFMIP2005-018 dated 4/19/05 and further developed in the *Functional Requirements Document (FRD)* of May 11, 2005. Updated recommendations are based on the guidance provided in the 9/15/2005 meeting and the implementation approach outlined in the *HIFMIP Roadmap* (draft October 3, 2005).
- Develop a recommendation for each existing legacy system within the HIFMIP scope. Categories for systems disposition include: replace, interface, integrate or no action. These categories are defined in Table 3-2.

Table 3-2. System Disposition Categories and Definitions

Category	Definition	Example
Replace	Existing system will be replaced by a new system.	HUDCAPS
Interface	Existing system will remain, and an interface to/from ICFS will be developed.	HPS, SPS
Integrate	Existing system functions will be integrated with ICFS.	FHA-SL, FIMS
No Action	No action needs to be taken when ICFS is implemented because the system or interface will not be affected.	ARCATS

3.2.3 LSDP Scope

The remainder of this chapter identifies the financial systems that were considered in the initial LSDP analysis and classifies them as either included or excluded from further analysis in the LSDP. All included systems are discussed in more detail in the upcoming chapters. The following factors were considered in deciding whether or not to include a system within the LSDP:

- Only systems identified on the Inventory of Financial/Mixed Systems, OCFO Systems Conversion to HIFMIP Plan or during the LSDP working sessions were included.
- Only interfaces identified on the OCFO Interface Inventory or during the LSDP working sessions were included.
- If a system has been retired, it is not included in the LSDP.

- If a system is being addressed through a separate modernization effort such as the FHA Systems Modernization Initiative, it is not included in the LSDP.
- Systems that do not have a direct financial impact on the HIFMIP systems were excluded, e.g., OCFO Systems Electronic Library (eLIB).
- Systems that directly or indirectly provide supporting financial information to the general ledger not excluded for another reason were included even if there is no existing interface to the core financial system in the current environment. For example, financial information in LAS flows through LOCCS and PAS to HUDCAPS; however, in a future HIFMIP phase, a direct interface with ICFS may be developed. Therefore, LAS is included in the LSDP scope.

The source of each system listed in Table 3-3 is identified in the table. If a system is excluded from the LSDP scope, the reason for its exclusion is identified in Table 3-3.

Section 3.2.3.1 addresses HUD financial systems, while Section 3.2.3.2 addresses the related interfaces.

3.2.3.1 Scope of Analysis for HUD Financial Systems

Table 3-3 provides a list of all 63 systems considered for inclusion in the LSDP analysis. This list started with the *HUD Inventory of Financial/Mixed Systems Attachment 4: Financial Management Systems* as of September 30, 2004. Additions and other changes to the list were compiled from additional sources as noted in Table 3-3. This table identifies systems by office and indicates whether the system is included or excluded from further LSDP analysis.

For all included systems, the recommended disposition is included in Chapter 6, along with a discussion of the planned migration of systems by fiscal year.

Table 3-3: Systems Considered for Inclusion in LSDP Analysis

Office (Owner)	System ID	System Short Name	Name	Source	LSDP Scope
ADMN	D67A	FIRMS	Facilities Integrated Resources Management System	Financial Management Systems Inventory	Included
ADMN	A35	HPS	HUD Procurement System	Financial Management Systems Inventory	Included
ADMN	P162	HIHRTS	HUD Integrated Human Resources Training System	Financial Management Systems Inventory	Included
ADMN	P035	SPS	Small Purchase System	Financial Management Systems Inventory	Included
ADMN	A51	FAADS	Federal Assistance Award Data System	OCFO Interface Inventory	Included
ADMN	D51	DOCS	Departmental Organization Code System	FRD	Excluded – retired and replaced by HIHRTS

Section 3.0 Scope and Approach

Office (Owner)	System ID	System Short Name	Name	Source	LSDP Scope
ADMN	UNK	FEMIS	Facilities Integrated Resources Management System	FRD	Excluded – Retired and replaced by FIRMS
OCFO	A21	LAS	Loan Accounting System	Financial Management Systems Inventory	Included
OCFO	A39	Hyperion	HUD Consolidated Financial Statement System	Financial Management Systems Inventory	Included
OCFO	A44D	SEC-LEDGER	Low Rent Housing Security Ledger	Financial Management Systems Inventory	Excluded – Retired and closed into the Financial Data Mart
OCFO	A65A	SAVE	Section 235 Automated Validation and Editing	Financial Management Systems Inventory	Included
OCFO	A67	LOCCS	Line of Credit Control System	Financial Management Systems Inventory	Included
OCFO	A75	HUDCAPS/FFS	HUD Central Accounting & Reporting System	Financial Management Systems Inventory	Included
OCFO	A75I	PSCRS	Personal Service Cost Report Subsystem	OCFO Interface Inventory	Included
OCFO	A75L	OCFO Systems eLib	OCFO Systems Electronic Library	OCFO Systems Conversion to HIFMIP Plan	Excluded – no financial impact on HIFMIP systems
OCFO	A75R	FDM	Financial Data Mart	OCFO Interface Inventory	Included
OCFO	A91	CCFF	Consolidated Cost and FTE Files	Financial Management Systems Inventory	Included
OCFO	A96	PAS	Program Accounting System	Financial Management Systems Inventory	Included
OCFO	D08	Bonds	Bond Payment	Financial Management Systems Inventory	Included
OCFO	D091	CAPS	OCFO WebFocus Corrective Action Plan Reports System	OCFO Systems Conversion to HIFMIP Plan	Included
OCFO	D21	DARTS	Departmental Accounts Receivable and Collection Tracking System	Financial Management Systems Inventory	Included
OCFO	D61	EZB	EZ Budget	Financial Management Systems Inventory	Included
OCFO	D65A	BOSS	Section 8 Budget Outlay Support System	Financial Management Systems Inventory	Included

Section 3.0 Scope and Approach

Office (Owner)	System ID	System Short Name	Name	Source	LSDP Scope
OCFO	D91A	REAP/TEAM	Resource Estimation and Allocation Process/ Total Estimation and Allocation Mechanism	Financial Management Systems Inventory	Included
OCFO	H18	IATS	Integrated Automated Travel System	Financial Management Systems Inventory	Included
OCFO	P001	HTMS/eTravel	HUD Travel Management System/ FedTraveler.com	Financial Management Systems Inventory	Included
OCFO	P136	ARCATS	Audit Resolution Corrective Action Tracking System	OCFO Systems Conversion to HIFMIP Plan	Excluded – no financial impact on HIFMIP systems
OCFO	P148	PBC	Prepared By Client Database	OCFO Systems Conversion to HIFMIP Plan	Excluded – no financial impact on HIFMIP systems
OCFO	Unknown	HIFMIP	HUD Integrated Financial Management Improvement Project	Financial Management Systems Inventory	Included – ICFS component of HIFMIP will be introduced in Phase II. Excluded from future tables listing systems to be analyzed.
OCFO	P190	GFITS	Government Financial Information Tracking System	OCFO Interface Inventory	Included
CPD	C04	IDIS	Integrated Disbursement and Information System	Financial Management Systems Inventory	Included
CPD	C38	SNAPS	Special Needs Assistance Program System	Financial Management Systems Inventory	Excluded – no financial impact on HIFMIP systems
CPD	C39	EZ/EC	Empowerment Zones/ Enterprise Communities Performance Measurement System	Financial Management Systems Inventory	Excluded – no financial impact on HIFMIP systems
OH	A43	SFIS	Single Family Insurance System	Financial Management Systems Inventory	Included – interfaces with FAADS
OH	A43C	CLAIMS	Single Family Insurance Claims Subsystem	Financial Management Systems Inventory	Excluded – addressed as part of the FHA Systems Modernization Initiative
OH	A80B	SFPCS-P	Single Family Premium Collection System – Periodic	Financial Management Systems Inventory	Excluded – addressed as part of the FHA Systems Modernization Initiative
OH	A80D	DSRS	Distributed Shares and Refund System	Financial Management Systems Inventory	Excluded – addressed as part of the FHA Systems Modernization Initiative. Part of the e-Revenue Management (eRM) Initiative. May need to be addressed at a future time.

Section 3.0 Scope and Approach

Office (Owner)	System ID	System Short Name	Name	Source	LSDP Scope
OH	A80N	SFMN	Single Family Mortgage Notes Servicing	Financial Management Systems Inventory	Excluded – addressed as part of the FHA Systems Modernization Initiative
OH	A80R	SFPCS	Single Family Premium Collection System – Upfront	Financial Management Systems Inventory	Excluded – addressed as part of the FHA Systems Modernization Initiative
OH	A80S	SAMS	Single Family Acquired Asset Management	Financial Management Systems Inventory	Excluded – addressed as part of the FHA Systems Modernization Initiative
OH	D64A	SFHEDW	Single Family Housing Enterprise Data Warehouse	Financial Management Systems Inventory	Excluded – addressed as part of the FHA Systems Modernization Initiative
OH	F12	HECM	Home Equity Conversion Mortgages	Financial Management Systems Inventory	Excluded – addressed as part of the FHA Systems Modernization Initiative
OH	F17	CHUMS	Computerized Home Underwriting Management System	Financial Management Systems Inventory	Excluded – addressed as part of the FHA Systems Modernization Initiative
OH	F24D	REMS	Real Estate Management System	OCFO Interface Inventory	Included
OH	F31	CCARS	Cash Control, Accounting and Reporting System	Financial Management Systems Inventory	Excluded – addressed as part of the FHA Systems Modernization Initiative
OH	F42D	CSFSS	Consolidated Single Family Statistical System	Financial Management Systems Inventory	Excluded – addressed as part of the FHA Systems Modernization Initiative
OH	F47	MFIS	Multifamily Insurance	Financial Management Systems Inventory	Excluded – addressed as part of the FHA Systems Modernization Initiative. Part of the e-Revenue Management (eRM) Initiative. May need to be addressed at a future time.
OH	F51	IMF	Institution Master File	Financial Management Systems Inventory	Excluded – addressed as part of the FHA Systems Modernization Initiative
OH	F71	DCAMS	Debt Collection and Assets Management System – Title I Notes	Financial Management Systems Inventory	Excluded – addressed as part of the FHA Systems Modernization Initiative
OH	F72	T1IS	Title I Insurance and Claims	Financial Management Systems Inventory	Excluded – addressed as part of the FHA Systems Modernization Initiative
OH	F75	MFIC	Multifamily Insurance and Claims System	Financial Management Systems Inventory	Excluded – addressed as part of the FHA Systems Modernization Initiative. Part of the e-Revenue Management (eRM) Initiative. May need to be addressed at a future time.

Office (Owner)	System ID	System Short Name	Name	Source	LSDP Scope
OH	F87	TRACS	Tenant Rental Assistance Certification System	Financial Management Systems Inventory	Included
OH	P013	FHA-SL	FHA Subsidiary Ledger	Financial Management Systems Inventory	Included
OH	P057	MDDR	Multifamily Default and Delinquency Reporting	Financial Management Systems Inventory	Excluded – addressed as part of the FHA Systems Modernization Initiative
OH	F17C	FHAC	FHA Connection	September 15, 2005 Working Session	Included
Ginnie Mae	B09	DMS	Default Management System	Financial Management Systems Inventory	Excluded – addressed as part of the Ginnie Mae Systems Modernization Initiative
Ginnie Mae	B16	MASS	Macola Accounting Software System	Financial Management Systems Inventory	Included
PIH	P113	PIC	PIH Information Center System	Financial Management Systems Inventory	Included
PIH	P106	TASS	Tenant Assessment Subsystem	Financial Management Systems Inventory	Excluded – no direct HIFMIP relationship
PIH	P181	EIV	Enterprise Income Verification System	Financial Management Systems Inventory	Excluded – no direct HIFMIP relationship
PIH	P104	WASS	Web Access Security Subsystem	OCFO Interface Inventory	Included
OFHEO	Unknown	FIMS	Financial Information and Management System	FRD	Included
OCIO	Unknown	TIBEC	Technology Investment Board Portfolio	OCFO Interface Inventory	Included

Systems listed as “excluded” in Table 3-3 are considered outside the scope of the LSDP for the reasons indicated in the “LSDP Scope” column.

Table 3-4 lists only those systems that will be addressed in the remainder of the LSDP. There are a total of 34 HUD systems that will be analyzed. Table 3-3 also included HIFMIP since it is listed in the *HUD Inventory of Financial/Mixed Systems*; however, since the LSDP focus is HIFMIP, it is not included in the future listings of systems to be analyzed.

Table 3-4: Systems Included in LSDP Analysis

No.	Office (Owner)	System ID	System Short Name	Name
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No.	Office (Owner)	System ID	System Short Name	Name
1.	ADMN	D67A	FIRMS	Facilities Integrated Resources Management System
2.	ADMN	A35	HPS	HUD Procurement System
3.	ADMN	P162	HIHRTS	HUD Integrated Human Resources Training System
4.	ADMN	P035	SPS	Small Purchase System
5.	ADMN	A51	FAADS	Federal Assistance Award Data System
6.	OCFO	A21	LAS	Loan Accounting System
7.	OCFO	A39	Hyperion	HUD Consolidated Financial Statement System
8.	OCFO	A65A	SAVE	Section 235 Automated Validation and Editing
9.	OCFO	A67	LOCCS	Line of Credit Control System
10.	OCFO	A75	HUDCAPS/FFS	HUD Central Accounting & Reporting System
11.	OCFO	A75I	PSCRS	Personal Service Cost Report Subsystem
12.	OCFO	A75R	FDM	Financial Data Mart
13.	OCFO	A91	CCFF	Consolidated Cost and FTE Files
14.	OCFO	A96	PAS	Program Accounting System
15.	OCFO	D08	Bonds	Bond Payment
16.	OCFO	D091	CAPS	OCFO WebFocus Corrective Action Plan Reports System
17.	OCFO	D21	DARTS	Departmental Accounts Receivable and Collection Tracking System
18.	OCFO	D61	EZB	EZ Budget
19.	OCFO	D65A	BOSS	Section 8 Budget Outlay Support System
20.	OCFO	D91A	REAP/TEAM	Resource Estimation Allocation Process/ Total Estimation and Allocation Mechanism
21.	OCFO	H18	IATS	Integrated Automated Travel System
22.	OCFO	P001	HTMS/ eTravel	HUD Travel Management System/ FedTraveler.com
23.	OCFO	P190	GFITS	Government Financial Information Tracking System
24.	CPD	C04	IDIS	Integrated Disbursement and Information System
25.	OH	A43	SFIS	Single Family Insurance System
26.	OH	F24D	REMS	Real Estate Management System
27.	OH	F87	TRACS	Tenant Rental Assistance Certification System
28.	OH	P013	FHA-SL	FHA Subsidiary Ledger
29.	OH	F17C	FHAC	FHA Connection
30.	Ginnie Mae	B16	MASS	Macola Accounting Software System
31.	PIH	P113	PIC	PIH Information Center System
32.	PIH	P104	WASS	Web Access Security Subsystem
33.	OFHEO	UNK	FIMS	Financial Information and Management System
34.	OCIO	Unknown	TIBEC	Technology Investment Board Portfolio

Table 3-5 identifies the externally maintained systems that are not included in the scope of the LSDP, but an interface to or from the external system must be maintained, e.g., NFC Payroll, Treasury. There are a total of eight external entities whose interfaces with HUD’s core financial system(s) must be considered in the LSDP.

Table 3-5: External Interfacing Systems

No.	External Entity	Systems
1.	Bankcard Vendor (currently Chase Bank)	Bankcard System
2	Department of Agriculture - National Finance Center (NFC)	Payroll System
3.	Department of Commerce, Bureau of the Census	Federal Assistance Award Data System (FAADS)
4.	Department of Defense (DoD)	Central Contractor Registry (CCR)
5.	Lockbox Vendor(s) (currently Mellon Bank)	Lockbox Collections
6.	Office of Management and Budget (OMB)	Budget
7.	Scheduled Airline Traffic Office (SATO)	Transportation System
8.	Treasury	<ul style="list-style-type: none"> ▪ Electronic Certification System (ECS) ▪ Federal Agencies Centralized Trial Balance System I (FACTS I) ▪ Federal Agencies Centralized Trial Balance System II (FACTS II) ▪ Government Online Accounting Link System (GOALS) ▪ Intra-governmental Payment and Collection System (IPAC) ▪ Treasury Offset Program (TOP) ▪ Secure Payment System (SPS)

The interfaces identified in Table 3-5 are included in Section 3.2.3.2 below.

3.2.3.2 Scope of Analysis for Financial System Interfaces

The preceding section listed systems for inclusion/exclusion from the LSDP. This section identifies the interfaces that will be included in the LSDP analysis. Table 3-6 lists 86 financial system interfaces and the sources from which they have been identified. Table 3-6 also identifies whether the interface will be included in the LSDP scope or excluded from further analysis. Scope determination was made based on whether or not the feeder system interface would be directly impacted through changes made during a HIFMIP phase. For example, a number of systems provide information to or receive information from the Financial Data Mart (FDM). When the FDM (A75R) is replaced, these system interfaces will be affected. Therefore, the interfaces have been included in the scope of the LSDP. Examples include REAP/TEAM (A91), SFIS (A43) and PIC (P113).

Table 3-6: Interfaces Considered for Inclusion in the LSDP

From System ID	From System Short Name	From System Name	To System ID	To System Short Name	To System Name	Source	LSDP Scope
A21	LAS	Loan Accounting System	A67	LOCCS	Line of Credit Control System	OCFO Interface Inventory	Included
A21	LAS	Loan Accounting System	A75R	FDM	Financial Data Mart	OCFO Interface Inventory	Included
A21	LAS	Loan Accounting System	F24D	REMS	Real Estate Management System	OCFO Interface Inventory	Excluded
A21	LAS	Loan Accounting System	P057	MDDR	Multifamily Delinquency and Default Reporting	FRD	Excluded
A35	HPS	HUD Procurement System	A75	HUDCAPS	HUD Central Accounting and Program System	OCFO Interface Inventory	Included
A35	HPS	HUD Procurement System	A75R	FDM	Financial Data Mart	OCFO Interface Inventory	Included
A39	Hyperion	HUD Consolidated Financial Statement System	N/A	GOALSII	Treasury Financial Reporting System – Government Online Accounting Link Systems (FACTS I & II)	OCFO Interface Inventory	Included
A43	SFIS	Single Family Insurance System	A51	FAADS	Federal Assistance Award Data System	OCFO Interface Inventory	Included
A44	SECLEDDGER	Security Ledger	A75R	FDM	Financial Data Mart	OCFO Interface Inventory	Excluded – System has been closed. Data is stored in FDM and will be included in new data warehouse through data conversion process.
A51	FAADS	Federal Assistance Award Data System	External	FAADS	Census Federal Assistance Award Data System	OCFO Interface Inventory	Included

From System ID	From System Short Name	From System Name	To System ID	To System Short Name	To System Name	Source	LSDP Scope
A65	SHAS		A75R	FDM	Financial Data Mart	OCFO Interface Inventory	Excluded – System has been closed. Data is stored in FDM and will be included in new data warehouse through data conversion process.
A65A	SAVE	Section 235 Automated Validation and Editing	A67	LOCCS	Line of Credit Control System	OCFO Interface Inventory	Included
A65A	SAVE	Section 235 Automated Validation and Editing	A75	HUDCAPS	HUD Central Accounting and Program System	September 15, 2005 Working Session	Included
A67	LOCCS	Line of Credit Control System	A21	LAS	Loan Accounting System	OCFO Interface Inventory	Included
A67	LOCCS	Line of Credit Control System	A51	FAADS	Federal Assistance Award Data System	OCFO Interface Inventory	Included
A67	LOCCS	Line of Credit Control System	A75R	FDM	Financial Data Mart	OCFO Interface Inventory	Included
A67	LOCCS	Line of Credit Control System	A96	PAS	Program Accounting System	OCFO Interface Inventory	Included
A67	LOCCS	Line of Credit Control System	C04	IDIS	CPD Integrated Disbursement & Information System	OCFO Interface Inventory	Included
A67	LOCCS	Line of Credit Control System	D65A	BOSS	Section 8 Budget Outlay Support System	OCFO Interface Inventory	Excluded
A67	LOCCS	Line of Credit Control System	D91A	REAP/TEAM	Resource Estimation Allocation Process/ Total Estimation and Allocation Mechanism	IAS	Excluded
A67	LOCCS	Line of Credit Control System	P013	FHA-SL	FHA Subsidiary Ledger	IAS	Excluded
A67	LOCCS	Line of Credit Control System	P113	PIC	PIH Information Center	OCFO Interface Inventory	Excluded

From System ID	From System Short Name	From System Name	To System ID	To System Short Name	To System Name	Source	LSDP Scope
A67	LOCCS	Line of Credit Control System	External	Treasury	Treasury Disbursing System	OCFO Interface Inventory	Included
A67	LOCCS	Line of Credit Control System	P104	WASS	Web Access Security Subsystem	September 15, 2005 Working Session	Included
A67	LOCCS	Line of Credit Control System	F17C	FHAC	FHA Connection	September 15, 2005 Working Session	Included
A75	HUDCAPS	HUD Central Accounting & Program System	A35	HPS	HUD Procurement System	September 15, 2005 Working Session	Included
A75	HUDCAPS	HUD Central Accounting & Program System	A75R	FDM	Financial Data Mart	OCFO Interface Inventory	Included
A75	HUDCAPS	HUD Central Accounting & Program System	A96	PAS	Program Accounting System	OCFO Interface Inventory	Included
A75	HUDCAPS	HUD Central Accounting & Program System	P035	SPS	Small Purchase System	September 15, 2005 Working Session	Included
A75	HUDCAPS	HUD Central Accounting & Program System	External	Treasury	Treasury Disbursing System	OCFO Interface Inventory	Included
A75I	PSCRS	Personal Service Cost Report Subsystem	A67	LOCCS	Line of Credit Control System	OCFO Interface Inventory	Included
A75I	PSCRS	Personal Service Cost Report Subsystem	A75	HUDCAPS	HUD Central Accounting and Program System	OCFO Interface Inventory	Included
A75I	PSCRS	Personal Service Cost Report Subsystem	A91	CCFF	Consolidated Cost & FTE Files	OCFO Interface Inventory	Included
A75I	PSCRS	Personal Service Cost Report Subsystem	D091	CAPS	OCFO WebFocus Corrective Action Plan Reports System	September 15, 2005 Working Session	Included
A75R	FDM	Financial Data Mart	A35	HPS	HUD Procurement System	OCFO Interface Inventory	Included
A75R	FDM	Financial Data Mart	A39	Hyperion	HUD Central Financial Reporting System	OCFO Interface Inventory	Included

From System ID	From System Short Name	From System Name	To System ID	To System Short Name	To System Name	Source	LSDP Scope
A75R	FDM	Financial Data Mart	D65A	BOSS	Section 8 Budget Outlay Support System	OCFO Interface Inventory	Included
A75R	FDM	Financial Data Mart	D91A	REAP/TEAM	Resource Estimation and Allocation Process/ Total Estimation and Allocation Mechanism	OCFO Interface Inventory	Included
A75R	FDM	Financial Data Mart	P013	FHA-SL	FHA Subsidiary Ledget	OCFO Interface Inventory	Included
A75R	FDM	Financial Data Mart	P035	SPS	Small Purchase System	September 15, 2005 Working Session	Included
A75R	FDM	Financial Data Mart	F87	TRACS	Tenant Rental Assistance Certification System	Working Session August 2005	Included
A75R	FDM	Financial Data Mart	P113	PIC	PIH Information Center	OCFO Interface Inventory	Included
A96	PAS	Program Accounting System	A67	LOCCS	Line of Credit Control System	OCFO Interface Inventory	Included
A96	PAS	Program Accounting System	A75	HUDCAPS	HUD Central Accounting & Program System	OCFO Interface Inventory	Included
A96	PAS	Program Accounting System	A75R	FDM	Financial Data Mart	OCFO Interface Inventory	Included
A96	PAS	Program Accounting System	D65A	BOSS	Section 8 Budget Outlay Support System	OCFO Interface Inventory	Included
A96	PAS	Program Accounting System	F24D	REMS	Real Estate Management System	OCFO Interface Inventory	Included
A96	PAS	Program Accounting System	F87	TRACS	Tenant Rental Assistance Certification System	OCFO Interface Inventory	Included
B16	MASS	Macola Accounting Software System	A39	Hyperion	HUD Central Financial Reporting System	OCFO Interface Inventory	Included
C04	IDIS	CPD Integrated Disbursement & Information System	A67	LOCCS	Line of Credit Control System	OCFO Interface Inventory	Included
D08	Bonds	Bond Payment System	A67	LOCCS	Line of Credit Control System	OCFO Interface Inventory	Included

From System ID	From System Short Name	From System Name	To System ID	To System Short Name	To System Name	Source	LSDP Scope
D08	Bonds	Bond Payment System	A75	HUDCAPS	HUD Central Accounting and Program System	September 15, 2005 Working Session	Included
D21	DARTS	Departmental Accounts Receivable Tracking/ Collection System	F24D	REMS	Real Estate Management System	OCFO Interface Inventory	Included
D21	DARTS	Departmental Accounts Receivable and Collection Tracking System	A75	HUDCAPS	HUD Central Accounting & Reporting System	Working Sessions August 2-3, 2005	Included
D51	DOCS	Departmental Organization Code System	A75	HUDCAPS	HUD Central Accounting & Program System	OCFO Interface Inventory	Excluded – DOCS has been closed & replaced with HIHRTS
D61	EZB	EZ Budget	External	OMB	OMB Budget System	OCFO Interface Inventory; EZBudget Users Manual	Included
D65A	BOSS	Section 8 Budget Outlay Support System	N/A	N/A	N/A	OCFO Interface Inventory	Excluded – no interfaces from BOSS identified
D67A	FIRMS	Facilities Integrated Resources Management System	A75	HUDCAPS	HUD Central Accounting & Program System	OCFO Working Sessions August 2-3, 2005	Included
D91A	REAP/ TEAM	Resource Estimation and Allocation Process/ Total Estimation and Allocation Mechanism	N/A	N/A	N/A	OCFO Interface Inventory	Excluded – no interfaces from REAP/TEAM identified
External	Bankcard	Chase Bank	A75	HUDCAPS	HUD Central Accounting & Program System	OCFO Interface Inventory	Included
External	CCR	Central Contractor Registry	A75R	FDM	Financial Data Mart	OCFO Interface Inventory	Included
External	Lockbox	Mellon Bank Lockbox	A67	LOCCS	Line of Credit Control System	September 15, 2005 Working Session	Included

From System ID	From System Short Name	From System Name	To System ID	To System Short Name	To System Name	Source	LSDP Scope
External	Lockbox	Mellon Bank Lockbox	D21	DARTS	Departmental Accounts Receivable and Collection Tracking System	September 15, 2005 Working Session	Included
External	NFC	NFC Payroll System	A75I	PSCRS	Personnel Services Cost Subsystem	OCFO Interface Inventory	Included
External	SATO	Scheduled Airline Traffic Office	A75	HUDCAPS	HUD Central Accounting & Program System	OCFO Interface Inventory	Included
External	Treasury	Treasury Disbursing & Collections System	A67	LOCCS	Line of Credit Control System	September 15, 2005 Working Session	Included
External	Treasury	Treasury Disbursing & Collections System	A75	HUDCAPS	HUD Central Accounting & Program System	September 15, 2005 Working Session	Included
F17C	FHAC	FHA Connection	A67	LOCCS	Line of Credit Control System	September 15, 2005 Working Session	Included
F24D	REMS	Real Estate Management System	A67	LOCCS	Line of Credit Control System	OCFO Interface Inventory	Excluded
F87	TRACS	Tenant Rental Assistance Certification System	A67	LOCCS	Line of Credit Control System	OCFO Interface Inventory	Included
F87	ARAMS/ TRACS	Automated Renewal and Amendment Management Subsystem/ Tenant Rental Assistance Certification System	A96	PAS	Program Accounting System	OCFO Interface Inventory	Included
H18	IATS	Integrated Automated Travel System	A75	HUDCAPS	HUD Central Accounting & Program System	OCFO Interface Inventory	Included
OFHEO	FIMS	Financial Information and Management System	A39	Hyperion	HUD Central Financial Reporting System	OCFO Interface Inventory	Included
P001	HTMS/eTravel	HUD Travel Management System/ FedTraveler.com	A75	HUDCAPS	HUD Central Accounting & Program System	OCFO Interface Inventory	Included

From System ID	From System Short Name	From System Name	To System ID	To System Short Name	To System Name	Source	LSDP Scope
P013	FHA-SL	FHA Subsidiary Ledger	A39	Hyperion	HUD Central Financial Reporting System	OCFO Interface Inventory	Included
P035	SPS	Small Purchase System	A75	HUDCAPS	HUD Central Accounting and Program System	OCFO Interface Inventory	Included
P035	SPS	Small Purchase System	A75R	FDM	Financial Data Mart	September 15, 2005 Working Session	Included
P104	WASS	Web Access Security Subsystem	A67	LOCCS	Line of Credit Control System	OCFO Interface Inventory	Included
P162	HIHRTS	HUD Integrated Human Resources Training System	A75	HUDCAPS	HUD Central Accounting & Program System	Working Sessions August 2-3, 2005	Included
P162	HIHRTS	HUD Integrated Human Resources Training System	A75I	PSCRS	Personal Service Cost Report Subsystem	Working Sessions August 2-3, 2005	Included
P190	GFITS	Government Financial Information Tracking Tool	A75	HUDCAPS	HUD Central Accounting and Program System	September 15, 2005 Working Session	Included
UNK	TIBEC	Technology Investment Board Portfolio	A75R	FDM	Financial Data Mart	OCFO Interface Inventory	Included
UNK	FEMIS	Facilities Integrated Resources Management System	A75	HUDCAPS	HUD Central Accounting & Program System	FRD	Excluded – replaced by FIRMS
Various	Various	FHA and Program Feeder Systems	P013	FHA-SL	FHA Subsidiary Ledger	FRD	Excluded, except as specifically noted above
Various	Various	Ginnie Mae Feeder Systems	B16	MASS	MACOLA Accounting Software System	FRD	Excluded
Various	Various	OFHEO Feeder Systems	UNK	FIMS	Financial Information and Management System	DRD	Excluded

Table 3-7 lists only those interfaces that will be addressed in the remainder of the LSDP. There are a total of 71 interfaces that will be included in the analysis.

Table 3-7: Interfaces Included in the LSDP

No.	From System ID	From System Short Name	From System Name	To System ID	To System Short Name	To System Name
1.	A21	LAS	Loan Accounting System	A67	LOCCS	Line of Credit Control System
2.	A21	LAS	Loan Accounting System	A75R	FDM	Financial Data Mart
3.	A35	HPS	HUD Procurement System	A75	HUDCAPS	HUD Central Accounting and Program System
4.	A35	HPS	HUD Procurement System	A75R	FDM	Financial Data Mart
5.	A39	Hyperion	HUD Consolidated Financial Statement System	External	GOALSII	Treasury Financial Reporting System
6.	A43	SFIS	Single Family Insurance System	A51	FAADS	Federal Assistance Award Data System
7.	A51	FAADS	Federal Assistance Award Data System	External	Census FAADS	Census Federal Assistance Award Data System
8.	A65A	SAVE	Section 235 Automated Validation and Editing	A67	LOCCS	Line of Credit Control System
9.	A65A	SAVE	Section 235 Automated Validation and Editing	A75	HUDCAPS	HUD Central Accounting and Program System
10.	A67	LOCCS	Line of Credit Control System	A21	LAS	Loan Accounting System
11.	A67	LOCCS	Line of Credit Control System	A51	FAADS	Federal Assistance Award Data System
12.	A67	LOCCS	Line of Credit Control System	A75R	FDM	Financial Data Mart
13.	A67	LOCCS	Line of Credit Control System	A96	PAS	Program Accounting System
14.	A67	LOCCS	Line of Credit Control System	C04	IDIS	CPD Integrated Disbursement & Information System
15.	A67	LOCCS	Line of Credit Control System	External	Treasury	Treasury Disbursing System
16.	A67	LOCCS	Line of Credit Control System	P104	WASS	Web Access Security System
17.	A67	LOCCS	Line of Credit Control System	F17C	FHAC	FHA Connection
18.	A75	HUDCAPS	HUD Central Accounting & Program System	A35	HPS	HUD Procurement System

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No.	From System ID	From System Short Name	From System Name	To System ID	To System Short Name	To System Name
19.	A75	HUDCAPS	HUD Central Accounting & Program System	A75R	FDM	Financial Data Mart
20.	A75	HUDCAPS	HUD Central Accounting & Program System	A96	PAS	Program Accounting System
21.	A75	HUDCAPS	HUD Central Accounting & Program System	P035	SPS	Small Purchase System
22.	A75	HUDCAPS	HUD Central Accounting & Program System	External	Treasury	Treasury Disbursing System
23.	A75I	PSCRS	Personal Service Cost Report Subsystem	A67	LOCCS	Line of Credit Control System
24.	A75I	PSCRS	Personal Service Cost Report Subsystem	A75	HUDCAPS	HUD Central Accounting and Program System
25.	A75I	PSCRS	Personal Service Cost Report Subsystem	A91	CCFF	Consolidated Cost & FTE Files
26.	A75I	PSCRS	Personal Service Cost Report Subsystem	D091	CAPS	OCFO WebFocus Corrective Action Plan Reports System
27.	A75R	FDM	Financial Data Mart	A35	HPS	HUD Procurement System
28.	A75R	FDM	Financial Data Mart	A39	Hyperion	HUD Central Financial Reporting System
29.	A75R	FDM	Financial Data Mart	D65A	BOSS	Section 8 Budget Outlay Support System
30.	A75R	FDM	Financial Data Mart	D91A	REAP/TEAM	Resource Estimation and Allocation Process/ Total Estimation and Allocation Mechanism
31.	A75R	FDM	Financial Data Mart	P013	FHA-SL	FHA Subsidiary Ledget
32.	A75R	FDM	Financial Data Mart	P035	SPS	Small Purchase System
33.	A75R	FDM	Financial Data Mart	F87	TRACS	Tenant Rental Assistance Certification System
34.	A75R	FDM	Financial Data Mart	P113	PIC	PIH Information Center
35.	A96	PAS	Program Accounting System	A67	LOCCS	Line of Credit Control System
36.	A96	PAS	Program Accounting System	A75	HUDCAPS	HUD Central Accounting & Program System
37.	A96	PAS	Program Accounting System	A75R	FDM	Financial Data Mart
38.	A96	PAS	Program Accounting System	D65A	BOSS	Section 8 Budget Outlay Support System

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No.	From System ID	From System Short Name	From System Name	To System ID	To System Short Name	To System Name
39.	A96	PAS	Program Accounting System	F24D	REMS	Real Estate Management System
40.	A96	PAS	Program Accounting System	F87	TRACS	Tenant Rental Assistance Certification System
41.	B16	MASS	Macola Accounting Software System	A39	Hyperion	HUD Central Financial Reporting System
42.	C04	IDIS	CPD Integrated Disbursement & Information System	A67	LOCCS	Line of Credit Control System
43.	D08	Bonds	Bond Payment	A67	LOCCS	Line of Credit Control System
44.	D08	Bonds	Bond Payment	A75	HUDCAPS	HUD Central Accounting & Program System
45.	D21	DARTS	Departmental Accounts Receivable and Collection Tracking System	F24D	REMS	Real Estate Management System
46.	D21	DARTS	Departmental Accounts Receivable and Collection Tracking System	A75	HUDCAPS	HUD Central Accounting & Reporting System
47.	D61	EZB	EZBudget	External	OMB	OMB Budget System
48.	D67A	FIRMS	Facilities Integrated Resources Management System	A75	HUDCAPS	HUD Central Accounting & Program System
49.	External	Bankcard	Chase Bank	A75	HUDCAPS	HUD Central Accounting & Program System
50.	External	CCR	Central Contractor Registry	A75R	FDM	Financial Data Mart
51.	External	Lockbox	Mellon Bank Lockbox	A67	LOCCS	Line of Credit Control System
52.	External	Lockbox	Mellon Bank Lockbox	D21	DARTS	Departmental Accounts Receivable and Collection Tracking System
53.	External	NFC	NFC Payroll System	A75I	PSCRS	Personnel Services Cost Subsystem
54.	External	SATO	Scheduled Airline Traffic Office	A75	HUDCAPS	HUD Central Accounting & Program System
55.	External	Treasury	Treasury Disbursing & Collections System(s)	A67	LOCCS	Line of Credit Control System
56.	External	Treasury	Treasury Disbursing & Collections System(s)	A75	HUDCAPS	HUD Central Accounting & Program System
57.	F17C	FHAC	FHA Connection	A67	LOCCS	Line of Credit Control System

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No.	From System ID	From System Short Name	From System Name	To System ID	To System Short Name	To System Name
58.	F87	TRACS	Tenant Rental Assistance Certification System	A67	LOCCS	Line of Credit Control System
59.	F87	ARAMS/ TRACS	Automated Renewal and Amendment Management Subsystem/ Tenant Rental Assistance Certification System	A96	PAS	Program Accounting System
60.	H18	IATS	Integrated Automated Travel System	A75	HUDCAPS	HUD Central Accounting & Program System
61.	OFHEO	FIMS	Financial Information and Management System	A39	Hyperion	HUD Central Financial Reporting System
62.	P001	HTMS/ eTravel	HUD Travel Management System/ FedTraveler.com	A75	HUDCAPS	HUD Central Accounting & Program System
63.	P013	FHA-SL	FHA Subsidiary Ledger	A39	Hyperion	HUD Central Financial Reporting System
64.	P013	FHA-SL	FHA Subsidiary Ledger	A51	FAADS	Federal Assistance Award Data System
65.	P035	SPS	Small Purchase System	A75	HUDCAPS	HUD Central Accounting and Program System
66.	P035	SPS	Small Purchase System	A75R	FDM	Financial Data Mart
67.	P104	WASS	Web Access Security Subsystem	A67	LOCCS	Line of Credit Control System
68.	P162	HIHRTS	HUD Integrated Human Resources Training System	A75	HUDCAPS	HUD Central Accounting & Program System
69.	P162	HIHRTS	HUD Integrated Human Resources Training System	A75I	PSCRS	Personal Service Cost Report Subsystem
70.	P190	GFITS	Government Financial Information Tracking Tool	A75	HUDCAPS	HUD Central Accounting & Program System
71.	UNK	TIBEC	Technology Investment Board Portfolio	A75R	FDM	Financial Data Mart

4.0 CURRENT FINANCIAL SYSTEMS ENVIRONMENT

4.0 CURRENT FINANCIAL SYSTEMS ENVIRONMENT

HUD's current financial systems environment is composed of an assortment of financial systems, programmatic systems, and hybrid or mixed systems operating on multiple, disparate platforms. At the end of fiscal year 2000, there were at least 75 systems within HUD that contained financial information. Though this number was reduced to 49 systems by the end of fiscal year (FY) 2004 and 44 systems by the end of FY 2005, the scattering of information has led to untimely, redundant and fragmented data. Most current systems are essentially stovepipe databases, a common occurrence in organizations that have developed systems over a long period of time independent of each other. Within these stovepipes, data is processed and isolated to specific, individual systems.

Three systems, HUDCAPS (A75), the Program Accounting System (PAS (A96)) and the Line of Credit Control System (LOCCS (A67)), execute the major financial functions associated with the financial cycle: Funding, Accounts Payable, Disbursements, Accounts Receivable and General Ledger. In addition, OFHEO, Ginnie Mae and FHA operate their own financial software and their own sets of supporting programmatic and financial systems. OCFO consolidates information from all four business areas to prepare consolidated financial reports.

Figure 4-1 provides an overview of the current financial systems environment at HUD. This figure includes only the HUD financial systems that have been included within the HIFMIP scope for the *Legacy Systems Disposition Plan* (LSDP) since these are the systems that will be affected by HIFMIP. In Figure 4-1, HUD systems are illustrated using rectangles. The size of the systems on the diagram does not reflect their importance or the amount of data contained in the system; sizing has been adjusted to provide the clearest possible flow diagram. Manual interfaces are indicated through the use of dashed lines; automated interfaces are indicated through the use of solid lines.

External systems providing interfaces to or from core financial systems are included on this systems flow diagram. The external entities are identified through the use of shaded, non-rectangular parallelograms.

A brief description of each business area's financial systems follows Figure 4-1⁶.

⁶ Figure 4-1 depicts single interfaces with Treasury for both disbursing (HUDCAPS and LOCCS) and financial reporting (Hyperion). In reality, there are multiple interfaces with Treasury for both processes; however, these interfaces are not shown on the diagrams to simplify presentation. The LSDP contains more information on the specific interfaces with Treasury for each process.

4.1 HUD Financial Systems Overview

This section provides a brief overview of the financial systems that support the four primary HUD business areas. A detailed discussion of each system and its relevant interfaces follows in Section 4.2.

4.1.1 HUD OCFO-Managed Organizations' Financial Systems

Prior to 1985, HUD payment distributions were conducted by PAS which was also the HUD general ledger and subsidiary ledger financial system. LOCCS was added to meet the cash control and disbursement requirements of the payment process that were more complex than PAS as an integrated transaction processing system could handle. LOCCS is a tightly integrated module of PAS that shares the UNISYS architecture. Together PAS and LOCCS control outlays of about \$20 billion annually.

In 1991, HUDCAPS, a Hitachi system, was introduced as the intended replacement for both PAS and LOCCS. While HUDCAPS maintains Department/CFO level program information, it does not have a grant subsidiary module. A modification to accommodate Section 8 housing subsidies information for PIH was so expensive that it was deemed cost prohibitive to duplicate the effort for any additional departments. In 1998, HUDCAPS was converted into the primary HUD accounting system, and PAS was limited to its current role as the detailed ledger for grant records.

The three primary financial systems of the Department—HUDCAPS, PAS and LOCCS—interrelate to provide the basic framework for financial management. Although PAS and LOCCS are old systems, they have operated successfully with HUDCAPS while the Department has planned for their replacement. A brief description of each of these three primary financial systems is included below.

HUDCAPS manages the primary accounting functions (e.g., budget execution and funds control, accounts receivable and collections, accounts payable, and general ledger) through complex interfaces with PAS. HUDCAPS has been the Department's general ledger system since 1999 and is maintained by the OCFO.

PAS interfaces with HUDCAPS to provide accounts payable, disbursement, accounts receivable, collection and funding information. PAS acts as a pass-through between the Loan Accounting System (LAS) and HUDCAPS. All subsidiary loan accounting records are maintained in LAS (A21) which receives a large portion of its monthly loan collections from LOCCS through subsidy payment offsets. LAS applies the collections from LOCCS and the Mellon Bank lockbox and generates accounting transactions that are interfaced to HUDCAPS through LOCCS and PAS. PAS handles grant, subsidy and loan program accounting records and is responsible for funds control.

LOCCS is both a payment control tool and a HUD post-award financial grants management system. LOCCS is also the link that connects HUD program management information systems to HUD's program accounting data. LOCCS supports the OCFO and all HUD program offices in coordinating and controlling grant, loan and subsidy disbursements. LOCCS includes both a Voice Response System (VRS) and an Internet-based e-LOCCS component that support HUD's business partners and grantees in requesting funds and accessing account information.

In addition to these major systems, HUD also maintains the following systems that interface directly or indirectly with HUDCAPS:

- A35, HUD Procurement System (HPS) processes procurements of \$100,000 and over. HPS sends commitment and obligation transactions to HUDCAPS to reserve or obligate funds in the core general ledger.
- P035, HUD Small Purchase System (SPS) processes purchases of less than \$100,000. SPS sends commitment and obligation transactions to HUDCAPS to reserve or obligate funds in the core general ledger.
- P001, the HUD Travel Management System (HTMS) provides for automated entry and routing of travel requests and vouchers online and interfaces with HUDCAPS for funds control and general ledger postings. HTMS will soon be replaced by FedTraveler.com, an e-government travel solution operated by the General Services Administration (GSA). FedTraveler.com (eTravel) will perform the same travel-related functions as the current HTMS.
- A65A, SAVE processes and tracks vouchers for Section 235 programs. SAVE transmits vouchers to LOCCS for payment.
- A75I, the Administrative Accounting Personal Services Cost Reporting System (PSCRS) feeds payroll and personnel cost data from the NFC payroll system into HUDCAPS.
- A75R, the HUDCAPS Financial Data Mart (FDM) receives financial information from HUDCAPS through a nightly interface. The Data Mart allows HUD users to view financial data in a pre-defined format.
- C04, the Integrated Disbursement and Information System (IDIS) is the drawdown and reporting system for the CPD formula grant programs. IDIS allows grantees to request their funding from HUD and to report on what they have accomplished with the grant funds. HUD.
- D08, Bond Mapper (Bonds) is used to generate amortization schedules and calculate bond payments to fiscal agents with a breakdown of interest and principal. Bonds also determines payments on New York State Bonds. Payments are made through LOCCS.
- F24D, The Tenant Rental Assistance Certification System (TRACS) provides funds control over Section 8 and other assisted housing programs.
- P190, the Government Financial Information Tracking System (GFITS) provides control over HUD Information Technology (IT) projects. Maximum project funding amounts from GFITS are manually input to HUDCAPS.
- A39, HUD Consolidated Financial Statement System (Hyperion) is an Enterprise software tool used for consolidated financial reporting. Hyperion consolidates financial information from all four of HUD's major business areas to support financial statement preparation and reporting to Treasury.

A number of programmatic systems are used to monitor activities. Some of these systems currently perform the same accounting functions (purchasing, payment requests, accounts

payable and accounts receivable) for different programs or offices. Some of these systems also feed financial data into the financial systems described in the preceding paragraphs.⁷

4.1.2 FHA Financial Systems

FHA is in the midst of a multi-year project called the FHA Subsidiary Ledger (FHA-SL) to modernize its financial systems environment. The work of the FHA-SL is organized in three phases. Phases I and II are complete, and FHA is currently in the midst of Phase III.

In Phase I, FHA identified its financial management requirements, defined and built translation software to produce financial transactions in a common format from 19 different automated sources, and acquired an OFFM-compliant COTS product to serve as its new core financial system. In September 2000, FHA selected the financial software offered by PeopleSoft, and named the new system the FHA-SL (P013).

In Phase II, FHA implemented the new PeopleSoft financial software to perform central accounting functions of the FHA Comptroller's office including:

- General ledger operations and cash management;
- Certification of Treasury payments and cash reconciliation of payments and collections;
- Accounting and funds control for certain FHA contracts and grants;
- Funds control for all FHA disbursements on a daily basis;
- Credit subsidy accounting; and
- Tracking total liability for new insurance against annual limits.

FHA accomplished the first major milestone of Phase II in October 2002 by implementing the general ledger module of the Subsidiary Ledger system. With this step, FHA acquired the capability for the first time to record and track budgetary resources using the U.S. Standard General Ledger (SGL) at the transaction level, to control expenditures against available resources (on a monthly basis), and to produce financial statement reports directly from the general ledger. The other central accounting functions were implemented by March 31, 2004.

In Phase III, which began April 1, 2004, FHA is integrating the financial operations supporting its insurance programs using the new core financial system. Currently FHA relies on 19 different automated sources of accounting information from the legacy systems that support insurance operations. While a small number of accounting transactions are manually entered directly into PeopleSoft, the majority of transactions are transmitted from the legacy systems to the Financial Transaction Repository (FTR). The FTR crosswalks the generally accepted accounting principle (GAAP) entries coming from the legacy systems to SGL entries and rolls them up into batches. These batches are loaded into PeopleSoft. The FTR will eventually be eliminated as each legacy system's financial components are either brought into PeopleSoft or their interfaces are enhanced to post directly to PeopleSoft in compliance with the SGL.

Summary information from FHA-SL is processed each quarter into Hyperion using Excel spreadsheet templates.

⁷ HUD's *Financial Management Vision*, Chapter 4 "Current State Analysis."

As a part of Phase III, FHA will analyze each legacy system and the program area it supports to determine the capability of the new core financial system to replace all or part of the existing software. Where cost and program needs warrant, FHA will replace some systems in their entirety with automated support from the FHA-SL. Where replacement is not feasible, FHA will define improvements in the integration of these systems with the new core financial system, eliminating wherever possible the intermediate crosswalks and look-ups that were put in place for Phases I and II. In some cases, these improvements will require changes to an existing interface, but in other cases FHA will re-engineer the systems supporting an entire program area, applying the FHA-SL software to meet financial operations requirements.

By the end of Phase III, targeted for March 31, 2006, FHA will perform its financial operations with a smaller number of better integrated systems, improving the effectiveness and timeliness of information available for financial operations and management.

4.1.3 Ginnie Mae Financial Systems

Macola Accounting Software System (MASS) is the general ledger system for Ginnie Mae. Ginnie Mae maintains feeder systems that interface financial information into MASS (B16). Summary level financial information is interfaced from MASS to Hyperion on a quarterly basis.

Ginnie Mae is in the early stages of eliminating the use of its in-house financial systems and moving its financial management functions to a service provider environment. Ginnie Mae has recently awarded a contract to Deloitte & Touche to serve as their systems integrator in moving to a PeopleSoft COE model. Initial implementation at IBM Corio (the selected COE) is scheduled to occur on October 1, 2007.

4.1.4 OFHEO Financial Systems

The *CFO Vision Document* and other SDM Initiate Phase documents include information about OCFO, FHA and Ginnie Mae, with limited information about OFHEO. When the HIFMIP planning work was completed, a draft bill was in the Congress to transfer OFHEO to Treasury; therefore, the HIFMIP Project Team did not include OFHEO in the interview and information collection activities at that time.

The HIFMIP Project Team met with OFHEO in July 2004 and established a plan to keep OFHEO informed as to the status of the project. To date, OFHEO remains a component of HUD and is providing the requested information for the SDM Define Phase efforts.

Prior to FY 2005, OFHEO had a service level agreement with the Department of Veterans Affairs (VA) to provide financial support. OFHEO implemented the Financial Information and Management System (FIMS) based on Oracle Financials COTS software in October 2004. They are presently working to establish processes, procedures and policies to support the new system and functions that have been transitioned back from VA to OFHEO.

4.1.5 Consolidated Reporting

FHA, Ginnie Mae and OFHEO manually enter financial information from their audited financial statements into spreadsheets that are then electronically transmitted into Hyperion to facilitate OCFO's preparation of the HUD-wide consolidated financial statements. HUD OCFO-Managed Organizations' information from HUDCAPS is transferred to Hyperion via the Financial Data Mart. OCFO consolidates the financial information from the four general ledger systems using

Hyperion and produces the monthly, quarterly, and annual reports required by Treasury and OMB.

4.2 Legacy Financial System Descriptions

The legacy systems that will be affected by HIFMIP were identified in Table 3-4. Table 4-1 provides more information about each system, including the following:

- System identifier,
- System Name,
- Short Name or Abbreviation,
- Owner,
- Users,
- Description,
- Sends Information To (outgoing interfaces), and
- Receives Information From (incoming interfaces).

Systems sending information to or receiving information from the systems listed in Table 4-1 are included in the table, even if the interface itself is not included within the LSDP scope. These interfaces are included to ensure completeness when evaluating downstream changes to a system or when considering integrating or replacing it. A more detailed description of each system follows Table 4-1.

Table 4-1. LSDP System Description Summary

No.	Owner	System Identifier	Name	System Short Name	Users	System Description	Sends Information To:	Receives Information From:
1.	ADMN	D67A	Facilities Integrated Resources Management System	FIRMS	<ul style="list-style-type: none"> ▪ OCPO ▪ APOs ▪ DPMIOs 	Managed essential ADMN business functions including space layout & design, lease management, & equipment. Equipment is identified and tracked by item. FIRMS incorporates bar code technology that partially automates the physical inventory and reconciliation processes.	<ul style="list-style-type: none"> ▪ HUDCAPS 	
2.	ADMN	A35	HUD Procurement System	HPS	<ul style="list-style-type: none"> ▪ OCPO ▪ Program Offices ▪ GTRs ▪ Field Contracting Activity Points (Philadelphia, Atlanta, Denver) ▪ Outstation Branch Teams 	Automates the contract procurement and acquisition process by recording, monitoring and reporting the status of all actions throughout the procurement lifecycle. Program offices build their annual procurement plans in HPS and link subsequent procurement activity to the plan.	<ul style="list-style-type: none"> ▪ HUDCAPS (real-time) ▪ FDM (real-time) 	<ul style="list-style-type: none"> ▪ FDM (real-time) ▪ HUDCAPS (real-time)
3.	ADMN	P162	HUD Integrated Human Resources and Training System	HIHRTS	<ul style="list-style-type: none"> ▪ HR staff ▪ Employees ▪ Managers 	Comprehensive Human Resource system that streamlines Human Resource information in a single platform. Supports workforce planning, succession planning, forecasting, and identification of staff competencies.	<ul style="list-style-type: none"> ▪ MSCS2 ▪ PERIS ▪ CCFF ▪ HUDCAPS ▪ PSCRS 	<ul style="list-style-type: none"> ▪ PACS/EPACS

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No.	Owner	System Identifier	Name	System Short Name	Users	System Description	Sends Information To:	Receives Information From:
4.	ADMN	P035	HPS - Small Purchase System	SPS	<ul style="list-style-type: none"> ▪ OCPO ▪ Program Offices ▪ GTRs ▪ CPO Field Contracting Activity Offices ▪ Field Administrative Resource Divisions 	Records all commitments and obligations via a manual input, of all purchase documentation for purchases of \$100,000.00 or less throughout the procurement lifecycle.	<ul style="list-style-type: none"> ▪ HUDCAPS (real-time) ▪ FDM (real-time) 	<ul style="list-style-type: none"> ▪ HUDCAPS (real-time) ▪ FDM (real-time)
5.	ADMN	A51	Federal Assistance Award Data System	FAADS	<ul style="list-style-type: none"> ▪ Information Policy & Mgt. Div. ▪ OCFO 	Gathers obligation information from several program systems to support quarterly reporting to Census.	<ul style="list-style-type: none"> ▪ Census 	<ul style="list-style-type: none"> ▪ LOCCS ▪ SFIS ▪ FHA-SL
6.	OCFO	A21	Loan Accounting System	LAS	<ul style="list-style-type: none"> ▪ Section 202 & Flexible Subsidy Program Managers 	HUD tool for servicing loans. Manages loan portfolio system information for the Section 202, Housing for Elderly & Handicapped, Loan Program and the Flexible Subsidy Program.	<ul style="list-style-type: none"> ▪ LOCCS ▪ FDM ▪ REMS 	<ul style="list-style-type: none"> ▪ LOCCS

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No.	Owner	System Identifier	Name	System Short Name	Users	System Description	Sends Information To:	Receives Information From:
7.	OCFO	A39	HUD's Consolidated Financial Statement System	Hyperion	<ul style="list-style-type: none"> ▪ OCFO 	Financial reporting and analysis system for HUD's financial reporting submissions to Treasury.	<ul style="list-style-type: none"> ▪ Treasury Financial Reporting System (GOALSII for FACTS I & II) 	<ul style="list-style-type: none"> ▪ FDM ▪ MASS (via Excel spreadsheet) ▪ FHA-SL (via Excel spreadsheet) ▪ FIMS (via Excel spreadsheet)
8.	OCFO	A65A	Section 235 Automated Validation and Editing	SAVE	<ul style="list-style-type: none"> ▪ Section 235 lenders ▪ Section 235 Program Managers 	Supports direct input of voucher information for Section 235 voucher processing and tracking for the original, revised and recaptured programs. The system produces voucher information in check format for transmission to LOCCS.	<ul style="list-style-type: none"> ▪ LOCCS ▪ HUDCAPS (manual) 	<ul style="list-style-type: none"> ▪ N/A

No.	Owner	System Identifier	Name	System Short Name	Users	System Description	Sends Information To:	Receives Information From:
9.	OCFO	A67	Line of Credit Control System	LOCCS	<ul style="list-style-type: none"> ▪ OCFO ▪ HUD Program Offices ▪ OCIO 	Payment control tool and post-award financial grants management system. Link that connects HUD's Program Management Information Systems to HUD's program accounting data.	<ul style="list-style-type: none"> ▪ Treasury ▪ LAS ▪ PAS ▪ IDIS ▪ FAADS ▪ FDM ▪ BOSS ▪ IRS (1099) ▪ 1099 File ▪ REAP/TEAM ▪ PIC ▪ FHA-SL ▪ TRACS ▪ WASS ▪ FHAC 	<ul style="list-style-type: none"> ▪ LAS ▪ PSCRS ▪ PAS ▪ IDIS ▪ SAVE ▪ Bonds ▪ REMS ▪ TRACS ▪ WASS ▪ VRS ▪ eLOCCS ▪ Lockbox ▪ Treasury ▪ WASS ▪ FHAC

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No.	Owner	System Identifier	Name	System Short Name	Users	System Description	Sends Information To:	Receives Information From:
10.	OCFO	A75	HUD Central Accounting and Program System	HUDCAPS	<ul style="list-style-type: none"> ▪ OCFO ▪ Office of Budget (OB) ▪ CFOAC Ft. Worth ▪ Program Budget Offices ▪ FMC ▪ Regional Offices ▪ Field Offices 	HUDCAPS/FFS provides a central standardized accounting environment that captures, reports, controls and summarizes financial results of accounting processes.	<ul style="list-style-type: none"> ▪ FDM ▪ PAS ▪ HPS ▪ SPS ▪ Treasury ▪ LOCCS (1099) 	<ul style="list-style-type: none"> ▪ HPS ▪ PSCRS ▪ PAS ▪ DARTS (manual) ▪ HIHRTS ▪ IATS (manual) ▪ HTMS/eTravel ▪ SPS ▪ FIRMS (manual) ▪ Bankcard ▪ SATO ▪ Treasury ▪ SAVE (manual) ▪ Bonds (manual) ▪ GFITS
11.	OCFO	A75I	Personal Services Cost Reporting Subsystem	PSCRS	<ul style="list-style-type: none"> ▪ OCFO 	HUDCAPS subsystem that receives the accounting and personnel data from NFC. It produces payroll reports and passes the accounting transactions to HUDCAPS System and BMIS Consolidated file.	<ul style="list-style-type: none"> ▪ LOCCS ▪ HUDCAPS ▪ CCFF ▪ CAPS 	<ul style="list-style-type: none"> ▪ NFC ▪ HIHRTS

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No.	Owner	System Identifier	Name	System Short Name	Users	System Description	Sends Information To:	Receives Information From:
12.	OCFO	A75R	Financial Data Mart	FDM	<ul style="list-style-type: none"> ▪ OCFO ▪ Allotment Holders 	SQL Server database composed of HUDCAPS table extracts to allow HUD users to view financial data in specific desired report format. The Financial Data mart receives financial information from HUDCAPS nightly. The Financial Data Mart also receives information from PAS, LOCCS, and other systems.	<ul style="list-style-type: none"> ▪ HPS ▪ Hyperion ▪ BOSS ▪ REAP/TEAM ▪ FHA-SL ▪ TRACS ▪ PIC ▪ SPS 	<ul style="list-style-type: none"> ▪ HUDCAPS ▪ PAS ▪ CCR ▪ LAS ▪ HPS ▪ LOCCS ▪ SPS
13.	OCFO	A91	Consolidated Cost & FTE Files	CCFF	<ul style="list-style-type: none"> ▪ Program Managers ▪ Field Offices 	Helps program managers manage their personal services expenditures. A summary of FTE and personnel counts and personal service cost data files are created for each Field Office.	<ul style="list-style-type: none"> ▪ N/A 	<ul style="list-style-type: none"> ▪ PSCRS
14.	OCFO	A96	Program Accounting System	PAS	<ul style="list-style-type: none"> ▪ OCFO ▪ Regional Accounting Divisions 	Integrated subsidiary ledger for the Department's grant, subsidy and loan programs. PAS maintains accounting records based on receipt of funding authorizations from HUDCAPS that generate transaction activity at different levels.	<ul style="list-style-type: none"> ▪ LOCCS ▪ HUDCAPS ▪ FDM ▪ BOSS ▪ REMS ▪ TRACS 	<ul style="list-style-type: none"> ▪ ARAMS/ TRACS ▪ HUDCAPS ▪ LOCCS
15.	OCFO	D08	Bond Payment	Bonds	<ul style="list-style-type: none"> ▪ PIH 	Used to determine semi-annual payments to fiscal agents throughout the country, as well as payments on New York State Bonds that are paid more frequently. These payments are used to curtail public housing authorities' outstanding debts previously financed through bond sales. Bond payments are made through LOCCS.	<ul style="list-style-type: none"> ▪ LOCCS ▪ HUDCAPS (manual) 	<ul style="list-style-type: none"> ▪ N/A

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No.	Owner	System Identifier	Name	System Short Name	Users	System Description	Sends Information To:	Receives Information From:
16.	OCFO	D091	OCFO WebFocus Corrective Action Plan Reports System	CAPS	<ul style="list-style-type: none"> ▪ Program Area Managers ▪ OB 	Produces reports to the help the Program Areas and the OCFO Office of Budget manage personal services expenditures and FTE utilization (known as managing to the payroll).	<ul style="list-style-type: none"> ▪ N/A 	<ul style="list-style-type: none"> ▪ PSCRS ▪ CCFF
17.	OCFO	D21	Departmental Accounts Receivable Tracking/ Collection System	DARTS	<ul style="list-style-type: none"> ▪ PIH 	Establishes, tracks, and collects account receivable information for residual receipts, excess financing, and miscellaneous payments for the PHAs/Indian Housing Authorities and Section 236 program receivables for Multi-Family Excess Rental Income.	<ul style="list-style-type: none"> ▪ HUDCAPS (manual) ▪ REMS 	<ul style="list-style-type: none"> ▪ Lockbox
18.	OCFO	D61	Budget Formulation System (EZBudget)	EZB	<ul style="list-style-type: none"> ▪ OB 	System used to support budget preparation and submission.	<ul style="list-style-type: none"> ▪ OMB (manual) 	<ul style="list-style-type: none"> ▪ N/A
19.	OCFO	D65A	Section 8 Budget Outlay Support System	BOSS	<ul style="list-style-type: none"> ▪ OB 	Tool to help increase the accuracy, consistency, and timeliness of budget forecasts for Section 8 program outlays.	<ul style="list-style-type: none"> ▪ N/A 	<ul style="list-style-type: none"> ▪ PAS ▪ LOCCS ▪ FDM ▪ TRACS ▪ REMS

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No.	Owner	System Identifier	Name	System Short Name	Users	System Description	Sends Information To:	Receives Information From:
20.	OCFO	D91A	Resource Estimation Allocation Process/ Total Estimation and Allocation Mechanism	REAP/ TEAM	<ul style="list-style-type: none"> ▪ OCFO ▪ OB ▪ Program Area Coordinators ▪ Managers ▪ Employees 	<p>REAP is a resource management initiative currently being implemented throughout the Department. Provides a methodology for defining and estimating required staffing resources.</p> <p>TEAM is an automated information system designed to support REAP. The primary purpose of TEAM is to validate REAP data by capturing actual information on workload accomplishments and time usage by HUD employees in the program and support areas.</p>	<ul style="list-style-type: none"> ▪ N/A 	<ul style="list-style-type: none"> ▪ FDM ▪ HIHRTS
21.	OCFO	H18	Integrated Automated Travel System	IATS	<ul style="list-style-type: none"> ▪ OCFO Relocation Center – Ft. Worth, TX 	Automates the calculations and tracking of travel and relocation related functions. It has the capability of maintaining travel rates, rules, and parameters.	<ul style="list-style-type: none"> ▪ HUDCAPS (manual) 	<ul style="list-style-type: none"> ▪ N/A
22.	OCFO	P001	HUD Travel Management System/ FedTraveler.com	HTMS/ eTravel	<ul style="list-style-type: none"> ▪ Travelers 	Provides automated entry and routing of travel requests and vouchers.	<ul style="list-style-type: none"> ▪ HUDCAPS (real-time) 	<ul style="list-style-type: none"> ▪ HUDCAPS (real-time)

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No.	Owner	System Identifier	Name	System Short Name	Users	System Description	Sends Information To:	Receives Information From:
23.	OCFO	P190	Government Financial Information Tracking System	GFITS	<ul style="list-style-type: none"> ▪ OCFO 	Automates the process for allocating the funding, tracking and reporting of the Working Capital Fund (WCF) appropriations and other sources of funds which support the approved HUD IT Portfolio. GFITS enables the CFO to provide timely and accurate funding allocations for HUD's IT portfolio throughout the budget process.	<ul style="list-style-type: none"> ▪ HUDCAPS (manual) 	<ul style="list-style-type: none"> ▪ N/A
24.	CPD	C04	Integrated Disbursement & Information System	IDIS	<ul style="list-style-type: none"> ▪ CPD Entitlement Grant Program Managers 	Supports CPD's consolidated planning, disbursing and reporting requirements for the entitlement grant programs (HOME, CDBG, ESG, and HOPWA) and simplifies the grants management process for all participants.	<ul style="list-style-type: none"> ▪ LOCCS ▪ CGMP ▪ RC/EZ/EC ▪ EDIS 	<ul style="list-style-type: none"> ▪ LOCCS ▪ EDIS
25.	OH	A43	Single Family Insurance System	SFIS	<ul style="list-style-type: none"> ▪ OH 	Maintains the insurance-in-force database that contains accurate and detailed case information on FHA-insured single family properties.	<ul style="list-style-type: none"> ▪ FHA-SL ▪ FAADS ▪ Other FHA Program & Feeder Systems 	<ul style="list-style-type: none"> ▪ Other FHA Program & Feeder Systems

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No.	Owner	System Identifier	Name	System Short Name	Users	System Description	Sends Information To:	Receives Information From:
26.	OH (FHA)	F24D	Real Estate Management System	REMS	<ul style="list-style-type: none"> ▪ MFH ▪ DEC ▪ REAC ▪ OMHAR 	<p>HUD's multifamily project management tool for MFH, the DEC and REAC. Provides fiscal and regulatory control over HUD's multifamily housing portfolio and ensures compliance with HUD program requirements.</p> <p>Provides REAC with the ability to validate financial statement submissions and mortgagee inspections.</p> <p>Provides DEC and OMHAR the ability to track property/owner corrective action referrals.</p>	<ul style="list-style-type: none"> ▪ LOCCS ▪ NASS ▪ PASS/R ▪ FASS-FHA ▪ Ginnie Mae ▪ Kiosk 	<ul style="list-style-type: none"> ▪ PAS ▪ LAS ▪ DARTS ▪ WASS ▪ DAPS ▪ FASS-FHA ▪ LOCCS ▪ CSMS
27.	OH (FHA)	F87	Tenant Rental Assistance Certification System	TRACS	<ul style="list-style-type: none"> ▪ MFH ▪ OH 	<p>Collects tenant data for programs and automatically provide payment requests for subsidy programs where HUD is the contract administrator based upon the contract and tenant data resident in the system. TRACS sends the payment request information to LOCCS for subsidy programs under the auspices of OH.</p>	<ul style="list-style-type: none"> ▪ PAS ▪ LOCCS ▪ FASS ▪ BOSS ▪ REMS ▪ RASS 	<ul style="list-style-type: none"> ▪ PAS ▪ LOCCS ▪ FDM ▪ REMS
28.	OH (FHA)	P013	FHA Subsidiary Ledger	FHA-SL	<ul style="list-style-type: none"> ▪ FHA Office of the Comptroller 	<p>Captures and reports FHA's financial transactions in a manner consistent with industry-specific Federal rules and regulations. FHA-SL enables FHA to meet departmental and external reporting requirements while maintaining its own accounting and financial reporting.</p>	<ul style="list-style-type: none"> ▪ Hyperion via Excel spreadsheet 	<ul style="list-style-type: none"> ▪ LOCCS ▪ FDM ▪ FTR (FHA Feeder Systems)

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No.	Owner	System Identifier	Name	System Short Name	Users	System Description	Sends Information To:	Receives Information From:
29.	OH (FHA)	F17C	FHA Connection	FHAC	<ul style="list-style-type: none"> ▪ Approved FHA Lenders 	Interactive system available through the Internet that provides approved FHA lenders access to FHA systems to conduct electronic business functions.	<ul style="list-style-type: none"> ▪ LOCCS ▪ TRACS ▪ CLAIMS 	<ul style="list-style-type: none"> ▪ LOCCS ▪ TRACS ▪ IMF
30.	Ginnie Mae	B16	MACOLA Accounting Software System	MASS	<ul style="list-style-type: none"> ▪ Ginnie Mae Office of Finance 	Maintains Ginnie Mae's General Ledger and performs accounting functions for Ginnie Mae.	<ul style="list-style-type: none"> ▪ Hyperion via Excel spreadsheet 	<ul style="list-style-type: none"> ▪ Ginnie Mae Feeder Systems ▪ DMS
31.	PIH	P113	PIH Information Center System	PIC	<ul style="list-style-type: none"> ▪ PIH 	Provides information about PHA clients, their Public Housing and Section 8 Voucher programs, and the families receiving assistance through PIH programs. PIC also tracks Public Housing stock and the performance of the PHAs in delivering Section 8 services to recipients.	<ul style="list-style-type: none"> ▪ EIV ▪ REAC 	<ul style="list-style-type: none"> ▪ LOCCS ▪ FDM
32.	PIH	P194	Web Access Security Subsystem	WASS	<ul style="list-style-type: none"> ▪ Internal HUD staff ▪ External Business Partners 	Provides a common framework for administering application-level security for HUD systems so that they can safely be accessed by internal staff and external trusted business partners.	<ul style="list-style-type: none"> ▪ LOCCS ▪ FASS-FHA ▪ LASS 	<ul style="list-style-type: none"> ▪ LOCCS ▪ FASS-FHA ▪ PASS-FHA ▪ LASS ▪ MASS-R
33.	OFHEO	UNK	Financial Information & Management System	FIMS	<ul style="list-style-type: none"> ▪ OFHEO 	Captures and reports OFHEO's financial transactions in a manner consistent with industry-specific Federal rules and regulations and is instrumental in OFHEO's oversight responsibilities.	<ul style="list-style-type: none"> ▪ Hyperion via Excel spreadsheet 	<ul style="list-style-type: none"> ▪ OFHEO Feeder Systems
34.	OCIO	UNK	Technology Investment Board Portfolio	TIBEC	<ul style="list-style-type: none"> ▪ TIB ▪ TIBWG 	Excel file maintained by TIBWG to analyze and monitor IT project investments	<ul style="list-style-type: none"> ▪ FDM via Excel file 	<ul style="list-style-type: none"> ▪ N/A

In addition to the HUD systems listed in Table 4-1, the following systems external to HUD interface with existing HUD core financial systems:

- Incoming Interfaces:
 - Central Contractor Registry (CCR);
 - Chase Bank (Bankcard);
 - Mellon Bank (Lockbox)
 - OMB (Budgets, Apportionments)
 - NFC (Payroll);
 - SATO (Transportation); and
 - Treasury (schedule confirmation or rejection, collections).
- Outgoing Interfaces:
 - Census (FAADS);
 - Treasury (ECS payments);
 - Treasury (FACTS I & II reporting);
 - Treasury (GOALS financial reporting);
 - Treasury (SPS payments); and
 - Treasury (TOP for payment offsets).

While these systems are not within the scope of the LSDP, the information provided by these systems through their interfaces to HUD's financial systems must be considered as part of the migration from the current environment to the final HIFMIP vision.

Descriptions for all of the systems included within the LSDP make up the remainder of this section. The 34 HUD systems have been grouped by office (for consistency with the existing financial systems inventory). The grouping by office includes the following:

- Office of Administration (ADMN);
- Office of the Chief Financial Officer (OCFO);
- Office of Housing (OH); and
- Other HUD Offices (CPD, Ginnie Mae, PIH, OFHEO and OCIO).

A separate sub-section is included to describe the external systems that interface with HUD's core financial system(s).

Summary descriptive information, gathered from a number of sources, is included for each system. Key interfaces or links between the system being described and the core financial system are summarized within the system descriptions below. The information that follows is useful in developing recommended systems dispositions.

4.2.1 Office of Administration (ADMN)

The ADMN financial/mixed systems described in this section include:

- FIRMS (D67A);
- HPS (A35);

- HIHRTS (P162);
- SPS (P035); and
- FAADS (A51).

4.2.1.1 *FIRMS*

The Facilities Integrated Resources Management System (FIRMS) consolidates information about essential business functions provided by the Office of Administration (ADMN) at HUD Headquarters. Functions including lease management; space layout and design; and computer and other personal property inventory have been automated using a suite of COTS software applications.

FIRMS (D67A) is currently operational only at HUD Headquarters and was initially developed to accommodate three modules: Space, Lease, and Furniture and Equipment. Only the equipment portion of the Furniture and Equipment module has been adapted for use by HUD. Of particular relevance for HIFMIP, FIRMS identifies and tracks personal property by item. FIRMS incorporates bar code technology that partially automates the physical inventory and reconciliation processes. All personal property purchases valued at \$500.00 or more are bar coded and entered into FIRMS.

FIRMS is the replacement system for the Facilities and Equipment Management System (FEMIS) that was retired in 2000. The current interface with HUDCAPS is manual and occurs annually. HUD is in the process of developing an automated interface between FIRMS and HUDCAPS to reconcile inventory purchases with the general ledger. The interface is expected to be in place this fiscal year.

With the implementation of ICFS, HUD would like the automated interface to provide depreciation amounts to be recorded regularly (monthly or quarterly) in the general ledger rather than the annual manual entry that currently occurs.

4.2.1.2 *HPS*

The HUD Procurement System (HPS) automates the contract procurement and acquisition process by recording, monitoring and reporting the status of all actions throughout the procurement lifecycle.

HPS (A35) is a client-server application that uses a PowerBuilder front-end and a Microsoft (MS) Structured Query Language (SQL) Server back-end. HPS is administered by the OCPO at HUD Headquarters. The OCPO at HUD Headquarters and the Field Contracting Activity points – Philadelphia, Atlanta, and Denver (including outstation branches and teams) – are responsible for administering the contract procurement and acquisition processes. The OCPO is required to comply with internal and statutorily mandated reporting to OMB, the Federal Procurement Data Center (FPDC), and the business community and to respond to all Freedom of Information Act (FOIA) requests. HPS supports these mandatory functions.

HPS automates the contract procurement and acquisition process by recording, monitoring, and reporting the status of all actions throughout the procurement life cycle. HPS provides access to HUD's procurement information at all operational levels, by maintaining HUD's contract data within a single database located at HUD Headquarters. HPS records all commitments and

obligations (contracts and contract modifications) for purchases of \$100,000.00 or more throughout the procurement lifecycle.

HPS interfaces with HUDCAPS and is expected to be replaced by a new procurement system within the next few years.

4.2.1.3 *HIHRTS*

HUD's Integrated Human Resources and Training System (HIHRTS) is a web-based human resource (HR) management system with easy to use tools for employees, managers and human resource professionals. HIHRTS (P162) is based on PeopleSoft's HR COTS package and is being used HUD-wide to automate many HR transactions. HUD is using Treasury as a service provider for HIHRTS. HIHRTS supports the following functions:

- Addresses most human resources and work force planning needs;
- Allows managers or their designees to initiate, track and approve personnel actions in real time;
- Enables employees to make changes to certain HR information;
- Provides job and benefit information; and
- Reduces the time spent processing HR actions.

This initiative combines the needs of the HUD Office of Human Resources, the Office of the Training Academy, and Program Offices throughout the Department to produce an integrated system that can address most human resources and training information systems needs. This initiative replaces several legacy systems that have been costly to maintain. These systems include:

- Personnel Information System (PERIS) that provides employee information;
- Human Resource Action Tracking System (HATS) that is used for processing personnel actions;
- Staff Tracking and Inquiry Reporting System (STIRS) that provides staffing information; and
- Departmental Organization Code System (DOCS) that is used to control organization codes.

Employees, managers, and HR personnel all use HIHRTS. Of particular relevance for HIFMIP, HR personnel use HIHRTS to process transactions through the NFC payroll system.

DOCS has been used as an input to the payroll interface with HUDCAPS; HIHRTS has now replaced DOCS for this function. Additional integration between HIHRTS and ICFS is possible in later HIFMIP phases.

4.2.1.4 *SPS*

The Small Purchase System (SPS) is a client-server application that uses a PowerBuilder front-end and a MS SQL Server back-end. SPS (P035) is administered by the OCPO at HUD Headquarters. SPS automates the small purchase process by recording, monitoring, and reporting the status of actions throughout the procurement life cycle. SPS generates Purchase Orders and Delivery Orders under General Services Administration (GSA) contracts and supports mandated FPDC reporting requirements.

The OCPO at HUD Headquarters, CPO Field Contracting Offices and the Field Administrative Resource Divisions are responsible for administering the small purchase procurement and acquisition process.

SPS records all commitments and obligations for purchases of \$100,000.00 or less throughout the procurement lifecycle. The system prepares, tracks and records all commitments and obligations throughout the procurement cycle. This system provides a comprehensive management tool and oversight for the business processes of the Chief Procurement Officer, while also interfacing with HUDCAPS to reserve and obligate funds.

SPS interfaces with HUDCAPS and is expected to be replaced by a new procurement system within the next few years.

4.2.1.4 FAADS

The Federal Assistance Award Data System (FAADS) is a system used by the Bureau of the Census to report program obligations for grant and project awards. Information collected provides data about program obligations to the Congress, Executive Branch and other political and private interest groups.

HUD developed its own FAADS (A51) to gather information from several Departmental program systems and provide this information to Census quarterly via FTS file transfer. Currently, expenditures from FHA (P013), SFIS (A43) and LOCCS (A67) are interfaced to HUD's FAADS; however, the system should be reporting obligations. The Section 8 Housing Subsidy information that is recorded in HUDCAPS is not currently part of the information collected.

HUD is planning to use the FDM (A75R) to improve the accuracy of the reporting process in FY 2006. The FDM will replace HUD's FAADS as the mechanism for gathering the required program obligation information and transmitting it to Census.

4.2.2 Office of the Chief Financial Officer (OCFO)

The OCFO financial/mixed systems described in this section include:

- LAS (A21);
- Hyperion (A39);
- LOCCS (A67);
- SAVE (A65A)
- HUDCAPS/FFS (A75);
- PSCRS (A75I);
- FDM (A75R);
- CCFF (A91);
- PAS (A96);
- Bonds (D08);
- CAPS (D091);
- DARTS (D21);

- EZB (D61);
- BOSS (D65A);
- TEAM (D91A);
- IATS (H18);
- eTravel/HTMS (P001); and
- GFITS (P190).

HIFMIP/ICFS, while listed in the HUD systems inventory, is not described in this section since the HIFMIP initiative is the focus of the LSDP. Additional HIFMIP documentation beyond what is provided in this document can be found using the project reference materials listed in Section 1.6—Referenced Documents.

4.2.2.1 LAS

The Loan Accounting System (LAS) manages loan portfolio system information for the Section 202, Housing for Elderly and Handicapped Loan Program and the Flexible Subsidy Program. LAS (A21) is used to service loans. Detailed information about the financial functions supported by LAS can be found in the FRD.

HUD is currently implementing a replacement for LAS based on the Nortridge Loan System (NLS) COTS package. The updated LAS is likely to interface with ICFS once both systems are implemented.

4.2.2.2 Hyperion

HUD Consolidated Financial Statement System (HCFSS or Hyperion) is based on Hyperion's Essbase COTS software. Hyperion (A39) provides online analytical processing (OLAP) capabilities and also includes a HypFACTS application that is about 80% out of the box and 20% created for the specifics of HUD's accounts. HUD has configured Hyperion for use to support financial reporting to Treasury.

Hyperion receives summary level HUDCAPS (A75) financial data from the Financial Data Mart (A75R) to which it adds additional data attributes. Summarized financial data from Ginnie Mae, FHA and OFHEO is also collected via Excel spreadsheets and input to Hyperion to facilitate preparation of HUD's consolidated financial statements.

Hyperion produces the following reports to support government-wide financial reporting requirements:

- FACTS I or Adjusted Trial Balance (ATB) Report
- FACTS II Pre-closing Trial Balance Report
- Consolidated Financial Statements including:
 - Balance Sheet,
 - Statement of Net Cost,
 - Statement of Changes in Net Position,
 - Statement of Budgetary Resources, and

- Statement of Financing.

The reports are submitted to Treasury's Internet-based Government-wide Financial Reporting System (GFRS). Hyperion electronically uploads data to GOALSII for the FACTS I and FACTS II reports.

4.2.2.3 SAVE

Section 235 Automated Validating and Editing (SAVE) is a PC-based application used to process payment requests for Section 235 vouchers. SAVE (A65A) is used for direct input of vouchers, including all contractually required details. SAVE performs minimal edit checks, such as verifying established institutional banking information in LOCCS (A67). SAVE assigns its own schedule numbers and transmits the payment requests to LOCCS. LOCCS conveys the payment requests to Treasury at the schedule number level for action. There is no feedback to SAVE from LOCCS, except for confirmation of activity.

Currently, payment information from SAVE is manually posted to the HUDCAPS (A75) general ledger. SAVE will be replaced by a module of LOCCS in FY 2006, and accounting entries will be generated to flow through PAS to HUDCAPS.

4.2.2.4 LOCCS

The Line of Credit Control System (LOCCS) is both a payment control tool and a HUD post-award financial grants management system. LOCCS (A67) is also the link that connects HUD's program management information systems to HUD's program accounting data. LOCCS utilizes COBOL and was first introduced as a UNISYS-based disbursement tool in 1985.

LOCCS (A67) is an online, multi-user disbursement and cash management system that authorizes disbursements to a broad range of recipients that include Public Housing Authorities (PHAs), state governments, municipalities, independent companies, non-profit institutions and individuals. LOCCS controls disbursements for all HUD loan and grant programs. Over 100 program areas and program components are currently serviced through LOCCS across all HUD Program Offices. LOCCS provides program disbursement controls as required by HUD program regulations and program managers.

LOCCS accepts online, real-time payment requests from HUD grantees and HUD personnel; validates the requests using the applicable program guidelines; and, when appropriate, applies payment offsets. LOCCS processes batch payment files for submission to Treasury. The files are sent via Network Data Mover gateway to Treasury where they are put on tape for the issuance of electronic or check payments.

LOCCS enforces payment guidelines via program area-oriented threshold edits that determine potentially excessive payment requests. LOCCS also enforces HUD program compliance by tying the disbursement process with each grantee's periodic submission of performance/progress reports as mandated for each program area. Payments are subject to review or denied if required documentation has not been received from a grantee.

LOCCS contains functionality that allows remote access to initiate transactions or update information. These transactions occur in real-time to accept payment requests that are validated against program guidelines and applicable payment offsets.

- **Voice Response System (VRS)**—VRS facilitates automated payment data entry query and drawdown request processing. VRS allows users to enter data into LOCCS via a question/answer session using a touch-tone telephone for audible questions and telephone button responses. In 1998, approximately 50% of LOCCS payment requests were made using the VRS. Approximately 1500 VRS transactions are processed through LOCCS each day.
- **eLOCCS**—Contract Administrators can use a computer equipped with web browser software (either Netscape or Microsoft Internet Explorer) to access LOCCS through WASS (P194). WASS is the front-end security that allows HUD's business partners to access HUD's financial systems via the Internet.

LOCCS has also developed LOCCS-Web modules that allow access to LOCCS for the HUD staff via the Intranet. Other payment processes supported in LOCCS include yearly schedules of payments, directly keyed vouchers and feeder payment transaction files from external applications.

In order to process and execute disbursements, LOCCS also interacts with a number of HUD financial systems. Individual program offices send electronic files containing data for integration into LOCCS. Program files convey programmatic controls and may contain disbursement requests. The interfaces occur automatically during the PAS/LOCCS overnight processing and do not require manual intervention or manipulation.

- **Housing**—Electronic data files are sent from TRACS (F87). TRACS creates feeder requests for payments that LOCCS processes and conveys to Treasury for payment. LOCCS then generates a confirmation file to TRACS containing the disposition of payment requests.
- **CPD**—IDIS (C04) creates disbursement requests for CPD. LOCCS processes the requests and transmits them to Treasury for payment. IDIS interfaces directly with LOCCS each night. The IDIS feeder files are processed, and LOCCS subsequently creates and sends a confirmation file to IDIS with the disposition of payment requests.
- **Homeownership for People Everywhere (HOPE 3)**—LOCCS provides information to HOPE 3 regarding property level management as well as authorization and disbursement transaction details. HOPE 3 resides on the UNISYS mainframe. A LOCCS subroutine transmits information online and also uses batch processing to create flat files that are then incorporated by HOPE 3.
- **Bond Mapper or Bonds**—The Bonds application (D08) is part of the MAPPER system that also resides on the UNISYS mainframe. Bonds creates a flat file that LOCCS reads and uses to initiate payment action with Treasury.
- **SAVE**—SAVE (A65A) interfaces directly with the UNISYS mainframe and creates flat files used by LOCCS to generate payment requests for submission to Treasury.

In addition to its disbursing function, LOCCS supports these other financial functions:

- Budget Execution/Funds Control,
- 1099 Processing,
- Accounts Receivable/Collections, and
- FAADS Reporting.

A description of each function follows.

Budget Execution/Funds Control

For program areas that have specific yearly allocations within multi-year accounts; that track grantee allocations to sub-grantees; or that track grant allocations to specific program area budget line items, LOCCS sub-allocates grant funds and controls program area grant-related activities. These controls are more detailed than the controls provided by HUD's accounting systems, e.g., HUDCAPS (A75). Depending on the program area, LOCCS collects the following types of information:

- Tenant characteristics,
- Recipient use of HUD funds,
- Portion of HUD funds directly expended, and/or
- Sponsors who share grant administration with state agencies and governments.

An automated interface between LOCCS and PAS (A96) exists to establish an authorized disbursing limit for each recipient based on the contract data in PAS. LOCCS receives contract increases and decreases from PAS to assure that disbursements never exceed the available contract balance. LOCCS subsequently generates accounting transactions to update each PAS program area account when disbursements, collections (including LAS collections) or disbursement adjustment actions are made via LOCCS.

LOCCS automatically generates PAS transactions for each disbursement action taken by LOCCS. PAS then interfaces with HUDCAPS to provide summary transactions to post to the HUD general ledger. LOCCS and PAS both reside on the UNISYS mainframe. Thus LOCCS is able to read PAS database areas directly at the conclusion of PAS overnight processing.

As part of LOCCS program controls, LOCCS directs document tracking correspondence to HUD recipients to track periodic performance reports that are due to HUD from recipients. Following a mailing to a recipient to track a required grantee report to HUD, LOCCS will implement disbursement restrictions if HUD has not received the required report by its due date. Failure to comply with the program area's reporting requirements will cause LOCCS to suspend future payments or require further drawdown requests to be reviewed prior to payment.

1099 Processing

Miscellaneous income information for 1099 processing is downloaded from HUDCAPS/PSCRS into a LOCCS file. The OCFO then uses LOCCS to prepare two Form 1099 files: one for the IRS and one for taxpayer. The IRS file is handled by OCIO. The taxpayer 1099s are prepared and mailed by a contractor.

Accounts Receivable/Collections

LOCCS supports the accounts receivable and collections functions, including through its interface with LAS (A21) and through an offset mechanism.

LAS and LOCCS both reside on the UNISYS mainframe. LAS creates a flat file on the mainframe that LOCCS reads and transmits to Treasury for payment and offset interest information. LAS also sends monthly interest accrual data to LOCCS.

LOCCS provides LAS with information about collections from Section 8 payments. LAS then applies these collections to principal and interest due on Section 202 loans. LAS provides the accounting distribution of the Section 8 collections and other collections entered directly into LOCCS by OCFO. LOCCS creates and sends a confirmation to LAS that contains the disposition of payment requests and Section 8 offsets.

LOCCS supports accounts receivable and collection above and beyond LAS through an offset mechanism that allows the collection of funds due HUD from scheduled payments. It is not exclusively used for loan collections, but it is used to collect loan repayments from Section 8 subsidy payments for those projects receiving a subsidy equal to or greater than the monthly loan amount.

FAADS Reporting

HUD's internal FAADS (A51) is updated by LOCCS on a quarterly basis to reflect all program area disbursements (except PIH Section 8) that occurred during the past quarter. LOCCS creates an ASCII file on the UNISYS mainframe during its quarterly processing. FAADS also resides on the UNISYS, and thus reads and incorporates the created files.

4.2.2.5 HUDCAPS

HUDCAPS (A75) provides a central standardized accounting environment that captures, reports, controls and summarizes financial results of accounting processes. HUDCAPS is based on American Management System's (AMS) Federal Financial System (FFS), an earlier-generation COTS software package. HUDCAPS standardizes the primary accounting functions (i.e., budget execution and funds control, accounts receivable and collections, accounts payable, and general ledger) and provides for a user-driven system that supports the financial aspects of the users' programs.

The primary users of HUDCAPS are OCFO, the Office of Budget and the Regional and Field Offices.

Financial functions supported by HUDCAPS include the following:

- General Ledger,
- Budget Execution,
- Funds Control,
- Cost Accounting,
- Purchasing,
- Travel,
- Accounts Payable/ Disbursements,
- Accounts Receivable, and
- Financial Reporting.

A full description of the functions currently supported through the use of HUDCAPS can be found in the FRD.

4.2.2.6 PSCRS

The Personal Service Cost Report Subsystem (PSCRS) is considered a subsystem of HUDCAPS (A75). It is used to support HUD's interface with the payroll system.

The National Finance Center (NFC), a part of the Department of Agriculture, processes HUD's payroll. NFC sends a file after each payroll period to HUD. HUD loads the file into PSCRS (A75I) where payroll records are summarized by fund, organization and budget object code (BOC).

PSCRS processes the transactions and generates reports using the payroll and personnel data. PSCRS also distributes the NFC data to four interfacing systems within HUD, including HUDCAPS, CCFE (A91), LOCCS (A67) and the HIRTS (P162).

PSCRS receives a batch file from HIRTS containing organizational codes. PSCRS converts the NFC code (unique, 18 digit value) to the unique seven-digit HUDCAPS cost organization code (cost org) and unique seven-digit HUDCAPS budget organization code (budget org) using the HIRTS file. The HIRTS file contains both the NFC codes and the HUDCAPS codes. Both the cost org and the budget org are needed to build the posting transactions for HUDCAPS. The cost org is also needed to keep the HUDCAPS employee vendor record current with the employee's home org.

HUDCAPS receives payroll transactions from PSCRS through the HUDCAPS Payroll Interface. HUDCAPS posts payroll transactions, summarized by BOC and sub-object code, to the general ledger using the data provided through the interface.

4.2.2.7 FDM

The Financial Data Mart (FDM) is the primary reporting tool used to generate both internal and ad-hoc reports and queries. The FDM (A75R) receives financial information from HUDCAPS (A75) nightly. The FDM also receives information from PAS (A96), LOCCS (A67) and other systems. It also includes the ability to upload information via Excel files. To use the FDM, users log on to the system and submit the appropriate report request or generate a user-defined query.

Additional functions supported by the FDM include updates to vendor information and review of outstanding obligations. These functions are described briefly below.

Updates to Vendor Information

HUD maintains daily updates to the Central Contractor Registry (CCR) database using the FDM. In addition to procurement information, CCR contains Electronic Funds Transfer (EFT) information that facilitates the generation of electronic vendor payments.

The information downloaded from the CCR is maintained and reported via the FDM. HUD systems that process budget execution transactions such as obligations and payments access the FDM for up-to-date vendor information via online interfaces. These systems include HUDCAPS, LOCCS, HPS (A35) and SPS (P035).

The OCFO provides different views of CCR data to various HUD organizations to support procurement and payment functions. For example, the OCFO receives a view of the CCR data that can be used to validate a vendor's procurement information prior to contract award. HUD

will not sign a contract or purchase order if the CCR data does not match the data provided by the vendor.

The OCFO generates reports that are used to reconcile CCR EFT information against the vendor EFT information that resides in HUD's vendor file(s). Discrepancies identified between the CCR information and the HUDCAPS Vendor File must be resolved and corrected, depending on the whether error is in the CCR or HUDCAPS. The corrections must occur prior to authorizing payment. This reconciliation helps ensure that vendor payments are generated using the correct banking information.

Review of Outstanding Obligations

The OCFO uses the FDM in conjunction with Lotus Notes to facilitate a Department-wide obligation review. Obligation information (such as obligation number, amount and last activity date) is collected in the FDM. Open obligation reports are distributed (via Lotus Notes) to the appropriate allotment holders for a decision as to the current and correct status of the funds.

The allotment holders access the FDM to review the open obligations and determine the appropriate course of action. The obligation can be adjusted by the allotment holder, adjusted by OCFO or remain open and unchanged in the appropriate system, e.g., HUDCAPS. Adjustments must be made to the appropriate financial system, not to the FDM information. The obligation disposition status is noted within the FDM.

Obligations that have been identified for adjustment by the allotment holder are tracked within the FDM to ensure that the de-obligation takes place. Reminders are generated and emailed to the allotment holder until the adjustment is recorded.

4.2.2.8 *CCFF*

The Consolidated Cost and FTE Files Subsystem (CCFF) was designed to help program managers manage their personal services expenditures. A summarization of FTE and personnel counts and personal service cost data files is created for each Field Office with data pertaining to its organization. CCFF (A91) receives information from PSCRS after each pay period's data is received from NFC.

4.2.2.9 *PAS*

The Program Accounting System (PAS) generates transaction activity at the appropriation, apportionment, allotment, program, subprogram, assignment and sub-assignment office (headquarters, regional area and field office) levels. PAS (A96) maintains an interface with HUDCAPS (A75) for general ledger and standard general ledger (SGL) transaction processing, in addition to summarizing accounting activity. PAS establishes and maintains an environment for subsidiary ledger accounting that includes commitments, obligations, contracts and disbursements at the project/grant level.

Financial Functions supported by PAS include the following:

- Budget Execution,
- Funds Control,
- Accounts Receivable, and

- **Accounts Payable.**

A full description of the functions currently supported through the use of PAS can be found in the FRD. PAS provides information to HUDCAPS on a daily basis. The PAS to HUDCAPS Interface records the financial impact of transactions originating in PAS. After passing PAS system edits, these transactions are transmitted in the form of a PAS Input File to HUDCAPS.

The PAS to HUDCAPS Interface creates HUDCAPS documents, including Standard Vouchers (IP, UD and IR), Suballotments (SA) and Budget Execution (B6, B5, and B4). These documents are used to record PAS accounting activity including items such as spending, collections, revenue and recaptures.

The documents generated by the PAS to HUDCAPS Interface are subsequently uploaded to HUDCAPS and included in the nightly cycle for processing. The documents update budgetary records and post entries to the HUDCAPS general ledger. The interface-generated documents have unique transaction codes for easy identification on the Suspense File (SUSF) and on inquiry tables.

4.2.2.10 Bonds

Bonds (D08) is used by to handle the debt service portion of the Public Housing Capital Fund (0304). Bonds determines semi-annual payments to fiscal agents throughout the country as well as payments on New York State Bonds that are paid on a more frequent basis. These payments are used to curtail public housing authorities' outstanding debts previously financed through bond sales. The system produces various reports used for management in addition to generating amortization schedules and calculating bond payments to fiscal agents with breakdowns of interest and principal. The subsidiary records are maintained in Bonds which interfaces with LOCCS (A67) to make payments.

Bonds creates a payment request file that is sent to LOCCS. LOCCS sends the payment requests to Treasury and creates confirmation files once payments are confirmed.

Bonds payments are manually posted to the HUDCAPS (A75) general ledger. Bonds is targeted to be replaced by a module of LOCCS in FY 2006. At that time, the accounting entries will flow through PAS (A96) to HUDCAPS

4.2.2.11 CAPS

The OCFO WebFocus Corrective Action Plan Reports System (CAPS) was designed to produce and generate reports to the help the Program Areas and the OCFO Office of Budget manage personal services expenditures and FTE utilization (known as managing to the payroll). WebFocus software is an easy to use reporting tool for ad hoc web querying of multiple data sources. Data for the CAPS reports is downloaded biweekly from CCFE (A91). The WebFocus CAPS reports are generated after the creation of consolidated files through CCFE.

CAPS allows HUD users to create their own reports in addition to canned reports.

4.2.2.12 DARTS

The Departmental Accounts Receivable Tracking/Collection System (DARTS) establishes, tracks and collects account receivables for residual receipts, excess financing and miscellaneous payments for the Public Housing Agencies/Indian Housing Authorities and Section 236 program

receivables and for Multifamily Excess Rental Income. Mellon Bank is used as a lockbox for collection of excess rents. An external interface exists between Mellon Bank and HUD to record collection and receivable activity. DARTS (D21) maintains over 600,000 database records for these receivables and collections. DARTS also tracks and collects debts covered in the *HUD Delinquent Debt Collection Handbook*.

Summary receivable information is manually interfaced to HUDCAPS.

4.2.2.13 EZBudget

The EZ Budget Formulation System (EZBudget) is the system used by HUD in preparing and submitting budget proposals to OMB and the President for the distribution of funds appropriated by the Congress. EZBudget (D61) is a stand-alone system that supports the budget formulation function. Details on budget formulation are documented in the FRD.

EZBudget manages the flow of information from the time of the initial call until the production of the finished Congressional justifications. Additional functionality includes support for post-Congressional justifications, including the development of briefing books and action statements. EZBudget is HUD-wide in scope and is designed to provide for both user data input and responses to system queries.

EZBudget does not obtain any data from or provide any data to other systems. Integration of budget formulation functions with ICFS may occur in a future HIFMIP phase.

4.2.2.14 BOSS

The Office of Budget (OB) sponsored the development of a budget forecasting tool called the Budget Outlay Support System (BOSS). BOSS (D65A) is used to forecast outlays for HUD's largest collection of subsidized housing programs (collectively known as "Section 8"). It was developed to help increase the accuracy, consistency and timeliness of budget forecasts for Section 8 program outlays.

BOSS is populated with data from the following seven HUD systems: HUDCAPS (A75), LOCCS (A67), MTCS, PAS (A96), TRACS (F87), REMS (F24D), and PIH-IBS. BOSS provides budget analysts on-demand access to Section 8 program data to answer specific questions concerning Section 8 programs.

BOSS supports the budget formulation function.

4.2.2.15 REAP/TEAM

Resource Estimation and Allocation Process (REAP) is a resource management initiative currently being implemented throughout the Department. REAP (D91A) is a methodology for defining and estimating required staffing resources. REAP will be the key information source for the Department in estimating, justifying and allocating its staffing resources. REAP will be used for budget formulation and execution, strategic planning, and organizational and management analyses.

The Total Estimation and Allocation Mechanism (TEAM) is a HUD Intranet-based system to capture workload accomplishments and time usage by HUD employees in support of REAP. TEAM captures paid daily time recorded by employees from the HUD program areas. TEAM is administered by the OCFO/OB and is used HUD-wide as a tool to judge relative productivity

among offices in program areas. TEAM is also used to ascertain the reasonableness of staffing proposals in relation to proposed program accomplishments during budget formulation. The system provides data for analyzing specific staffing issues or problems as they arise during the year and for identifying possible areas of management concern about productivity and staff use in particular offices.

TEAM is an automated information system designed to support REAP. The primary purpose of TEAM is to validate REAP data by capturing actual information on workload accomplishments and time usage by HUD employees in the program and support areas. TEAM will accumulate information centrally in a database and provide managers and staff with the capability to query and analyze the stored data.

REAP and TEAM will be used for budget formulation and execution and Departmental strategic planning processes. REAP and TEAM will also provide data for analyzing specific staffing issues or problems as they arise during the year and for identifying possible areas of management concerns about productivity and staff use throughout the Department. Eventually, TEAM will contain performance measures data to meet Government Performance and Results Act (GPRA) requirements.

4.2.2.16 IATS

The Integrated Automated Travel System (IATS) is used by the Relocation Center in Ft. Worth, Texas, to process Permanent Change of Station (PCS) travel and relocation payments. IATS (H18) was originally developed for the Department of Defense (DoD); a contractor subsequently adapted it for HUD's use.

IATS is a stand-alone system; it is not integrated with HUDCAPS or HTMS/eTravel (P001). Information must be manually entered into IATS. The information is used for determining payments to the Internal Revenue Service (IRS) and to employees approved to receive assistance for relocation.

IATS is used to calculate Federal, FICA and Medicare taxes. These taxes are withheld from each voucher. The calculated payment and tax amounts are then recorded in HUDCAPS and paid to the IRS and state taxing authorities on a monthly basis. Federal taxes are paid using the FEDTAXII system and then recorded in HUDCAPS using a Federal Tax (FT) document.

IATS tracks payments made to employees when they submit relocation vouchers requesting reimbursement. IRS guidelines are very specific as to the type of assistance that is taxable and non-taxable; HUD keeps track of all payments related to relocation for each employee. IATS also tracks payments made to the IRS and individual states by employee for tax purposes.

IATS determines which reimbursements are taxable and which are non-taxable and either sends additional taxes to the IRS and the appropriate state for the current year or reimburses the employees directly after the end of the tax year. The employees receive separate W-2s for relocation expenses and include this information in their individual tax returns.

Employees submit their W-2 information to HUD. The Ft. Worth Relocation Center then enters the W-2 information in IATS for the employees to determine whether they paid additional taxes due to the relocation reimbursements received for each tax year. When employees incur higher tax liabilities due to relocation, HUD issues Relocation Income Tax Allowance (RITA) payments to the employees so that they do not incur out-of-pocket costs for relocation. The

Relocation Center issues RITA vouchers and remits payments to the employees. The RITA reimbursement also includes the additional state taxes paid and is specific to each state.

Employees are asked to complete all travel and relocation payments within two years, but there are frequent extensions, causing the payments to continue for a number of years.

CFOAC processes approximately 100 relocations vouchers per year; however, the volume varies considerably. The peak year was 1998 when over 300 relocation vouchers were processed.

4.2.2.17 HTMS

The HUD Travel Management System (HTMS) provides users with the ability to enter requests for travel funds, requests for reimbursement for local travel, and travel vouchers into the system and have them automatically routed through the appropriate approval chain. HTMS (P001) provides automated, real-time processing of all transactions. No paper documents are involved in this process. All signatures and approvals are performed using workflow technology. These online authorizations enable faster throughput of travel-related transactions.

HTMS provides a direct interface to HUDCAPS (A75) to create obligations and vouchers. Once approved, the obligation or voucher information interfaces automatically into HUDCAPS where the obligation, reimbursement or payment is processed.

HTMS supports the following financial functions:

- Budget Execution,
- Accounts Payable, and
- Travel.

HTMS currently interfaces with HUDCAPS. Detailed information about the functions supported by HTMS can be found in the FRD. HTMS is in the process of being replaced with FedTraveler.com (eTravel)

4.2.2.18 eTravel

HUD has been using the HTMS (P001) to support temporary duty (TDY) travel. Current plans call for full implementation of a new travel service, FedTraveler, throughout the Department in fiscal year 2006. Current information for HUD travel services can be found at www.hudatwork.hud.gov/po/f/travel/etravel.cfm. Because HUD is in the midst of this transition to a new travel system, information about both the old and new systems has been included in the LSDP. By the time of ICFS implementation, only FedTraveler.com (eTravel) should be in use throughout the Department, and the interfaces between the travel functions and ICFS should occur with eTravel only. Both systems provide similar functions for HUD travelers.

eTravel is a fully integrated Web service designed specifically for Federal travelers. FedTraveler.com, web-based software developed by EDS and licensed through GSA, provides an end-to-end travel management system with web-based, one-stop shopping for integrated online travel approval, procurement and expense management in compliance with Federal travel policies, procedures and security requirements. eTravel also provides access to weather reports, maps, ATM locations, airport parking, exchange rates, restaurant information and passport services.

Travelers access eTravel via the Internet at www.FedTraveler.com. At this website, travelers can make travel arrangements, request reimbursement and obtain useful travel information. eTravel processes all forms of TDY travel. It will integrate with HUDCAPS (A75) using SeeBeyond integration broker technology. The integration with HUDCAPS (and later, ICFS) will provide for real-time funds availability confirmation, easy accounting code changes and extensive reporting and auditing capabilities. In addition, user profiles and accounts, agency configurations and approval chains are easily established and updated via Web-based administration.

4.2.2.19 *GFITS*

The Government Financial Information Tracking System (GFITS) automates the process for allocating the funding, tracking and reporting of the Working Capital Fund (WCF) appropriations and other sources of funds which support the approved HUD IT Portfolio. GFITS (P190) allows the CFO to provide timely and accurate funding allocations for HUD's IT portfolio throughout the budget process.

GFITS information is currently entered manually into HUDCAPS (A75) to update project funds control amounts; these amounts do not update the general ledger. An automated interface from GFITS to HUDCAPS has been requested, but it has not yet been developed or implemented.

4.2.3 Office of Housing

The Office of Housing (OH)/FHA systems described in this section include:

- SFIS,
- REMS,
- TRACS,
- FHA-SL, and
- FHAC.

4.2.3.1 *SFIS*

The Single Family Insurance System (SFIS) maintains the insurance-in-force (IIF) database, which contains accurate and detailed case information on FHA-insured single family properties. SFIS (A43) allows online access to FHA case information and is used to make inquiries and process actions on single family mortgages insured by HUD. Updates to the IIF are performed both online and by batch processing. Reports are produced daily, weekly, monthly, quarterly, annually and upon request. The SFIS process begins with endorsement of a case and continues through termination of the case and maintenance of post-termination case history.

SFIS provides information to FAADS (A51) to support quarterly reporting to the Bureau of the Census as well as to FHA-SL (P013).

4.2.3.2 *REMS*

The Real Estate Management System (REMS) is HUD's multifamily project management tool for the Office of Multifamily Housing (MFH), the Departmental Enforcement Center (DEC) and the Real Estate Assessment Center (REAC). REMS (F24D) provides fiscal and regulatory

control over HUD's multifamily housing portfolio and ensures compliance with HUD program requirements.

REMS supports the following primary business functions:

- Loan Servicing;
- Section 8 Subsidy Contract Renewals/Rents Maintenance - the updated rents are the basis for subsequent voucher payments managed by TRACS;
- Physical Condition Management;
- Financial Assessment Management;
- Property Management Reviews;
- Workload Tracking;
- DEC Actions Plan Maintenance;
- Partners/Participant Record;
- Property Disposition; and
- Reporting/Data Mart Support.

REMS currently interfaces with the following systems within the HIFMIP scope: PAS (A96), LAS (A21) and DARTS (D21) and will eventually interface with ICFS.

4.2.3.3 TRACS

The Tenant Rental Assistance Certification System (TRACS) provides funds control over Section 8 and other assisted housing programs. TRACS (F87) collects tenant data and automatically provides payment requests for subsidy programs where HUD is the contract administrator based upon the contract and tenant data resident in the system. TRACS sends the payment request information to LOCCS for subsidy programs under the auspices of OH.

Subsidy programs in OH provide low income tenants with affordable housing through subsidized rents. Determination of tenant eligibility and calculation of the subsidy amounts is processed in TRACS. TRACS selects household members that meet particular criteria from a pool of annual, interim and move-in (re)certifications and sends a verification request to the Social Security Administration (SSA). The SS/SSI Data Match system compares the tenant Social Security income and Supplemental Security Income (SSI) from the SSA to the information provided by the tenant.

TRACS includes a number of additional modules that support the rental assistance process. These modules include:

- Voucher Payments,
- Tenant Business System,
- Contracts Processing, and
- Automated Renewal and Amendment Subsystem (ARAMS).

Each of these modules is described briefly below.

Voucher Payments

The Voucher Payments module standardizes the collection and processing of tenant data and billing data in an automated format. This data is used to verify tenant eligibility for assistance and review the accuracy of the subsidy payment. The module provides automation in the voucher examination process and increases control over subsidy payments through the application of program rules. The Voucher Payments module interfaces with existing accounting and program systems to allow disbursements to property managers.

Tenant Business System

The Tenant Business System module provides the means to collect and maintain tenant data. The Tenant Business System module processing compares the tenant certification data with eligibility rules for the associated subsidy program and ensures the accuracy of the subsidy payment.

Contracts Processing

The Contracts Processing module establishes a single database for contracts data, thus providing the means to collect, maintain and monitor a massive amount of subsidy contract information. The Contracts Processing module employs several business systems that are used for processing subsidy contracts and rental assistance information.

ARAMS

The Automated Renewal and Amendment Subsystem (ARAMS) is a module designed to assist field offices in reserving funds for pending contracts and summarizing reserved funding needs for approval. ARAMS uses the tables maintained in REMS to minimize double entry and also maintains the legacy TRACS Contract Subsystem, which is the primary repository for project-based contracts.

TRACS supports the following financial functions:

- Budget Execution,
- Accounts Payable,
- Accounts Receivable; and,
- Funds Control.

TRACS is considered a program system for purposes of HIFMIP classification.

4.2.3.4 *FHA-SL*

FHA uses PeopleSoft COTS software to capture and report its financial transactions in a manner consistent with industry-specific Federal rules and regulations. FHA's accounting software FHA-Subsidiary Ledger (FHA-SL) enables FHA to meet departmental and external reporting requirements while maintaining control of its own accounting and financial reporting. The financial data is categorized into one of seven financial activities: Budget, Purchasing, Accounts Payable, Accounts Receivable, Inventory, Financial Reporting or Cash Control Management.

The FRD provides documentation of FHA-SL (P013) and its support for FHA's financial functions. Additional details about the FHA-SL initiative were provided in Section 4.1.2, FHA Financial Systems.

There is no current automated interface between FHA-SL and HUDCAPS (A75). Information to support HUD-wide financial reporting is provided quarterly by FHA through the use of Excel spreadsheets that are manually interfaced to Hyperion (A39).

4.2.3.5 FHAC

FHA Connection (FHAC) is an interactive system available through the Internet that gives approved FHA lenders real-time access to FHA systems to conduct official FHA business in an electronic fashion. Applications available through FHAC (F17C) include Single Family Mortgage Insurance Underwriting, Single Family Default Reporting, Portfolio Downloads for the Single Family Periodic Premium Collections System and other FHA programs.

Users can gain access to FHAC through any web browser that supports Secured Socket Layer (SSL) transmission protocol. FHAC can be located at <https://entp.hud.gov/clas>.

FHAC resides on HUD's Enterprise Server. As far back as early 2001, over 80,000 users from over 16,500 institutions have signed up to use FHAC with an average of close to 200,000 transactions per day.

4.2.4 Other HUD Offices

This section includes information about the following HUD systems:

- IDIS (CPD);
- MASS (Ginnie Mae);
- PIC (PIH);
- WASS (PIH);
- FIMS (OFHEO); and
- TIBEC (OCIO).

4.2.4.1 IDIS

The Integrated Disbursement and Information System (IDIS) supports Community Planning and Development (CPD) formula grants in the following areas:

- Community Development Block Grants (CDBG),
- Emergency Shelter Grants (ESG), and
- HOME Investment Partnership Program and Housing Opportunities for People with AIDS (HOPWA).

IDIS (C04) interfaces with LOCCS and supports the following functions:

- Budget Execution;
- Allocations;
- Reservations;
- Obligations;
- Payments; and

- Collections.

IDIS is considered a program system for purposes of HIFMIP classification. Detailed information about the functions supported through the use of IDIS can be found in the FRD.

4.2.4.2 MASS

Macola Accounting Software System (MASS) is the current general ledger system for Ginnie Mae. Ginnie Mae maintains feeder systems that interface financial information into MASS (B16). The FRD provides documentation of MASS and its support for Ginnie Mae's financial functions. There is no current automated interface between MASS and HUDCAPS (A75). Information to support HUD-wide financial reporting is provided quarterly by Ginnie Mae through the use of Excel spreadsheets that are manually interfaced to Hyperion (A39).

Ginnie Mae is currently in the process of moving its financial management functions to a service provider environment at IBM/Corio using PeopleSoft COTS software. The implementation of the new Ginnie Mae general ledger system is scheduled for October 1, 2006.

4.2.4.3 PIC

The Office of Public and Indian Housing (PIH) uses the PIH Information Center (PIC) as the source of information about PIH's clients and programs. PIC (P113) provides information about Public Housing and Section 8 Voucher programs and the many families that receive housing assistance through PIH programs. It tracks Public Housing stock and the performance of Public Housing Authorities (PHAs) in delivering Section 8 services to the recipients.

PIC supports over 15,000 users at HUD Headquarters, Field Offices and PHAs via Intranet and Internet. It provides information allowing HUD to demonstrate how its programs are addressing Congressional and OMB targets. It also provides significant data to EIV and most REAC systems.

4.2.4.4 WASS

The purpose of the Web Access Security Subsystem (WASS) is to provide a common framework for administering application-level security for HUD systems. WASS (P194) supports a growing number of systems and users, including both HUD staff and external business partners who require access to many of HUD's proprietary systems such as LOCCS (A67). New systems developed for HUD that require secure access to proprietary HUD information must use the WASS security framework.

4.2.4.5 FIMS

FIMS captures and reports OFHEO's financial transactions in a manner consistent with industry-specific Federal rules and regulations and is instrumental in OFHEO's oversight responsibilities. The FRD provides documentation of FIMS and its support for OFHEO's financial functions. There is no current automated interface between FIMS and HUDCAPS (A75). Information to support HUD-wide financial reporting is provided quarterly by OFHEO through the use of Excel spreadsheets that are manually interfaced to Hyperion (A39). OFHEO processes payroll directly with and through NFC.

4.2.4.6 TIBEC

The Technology Investment Board Executive Committee (TIBEC) maintains an Excel spreadsheet to formulate, manage and monitor the performance of the HUD IT portfolio. A TIBEC representative provides an Excel file to OCFO/FMSD with the status of IT projects and funding. FMSD uploads the file to the FDM (A75R) to provide information for reporting plan execution against plan.

4.2.5 External (to HUD)

HUD's interfaces with systems maintained by external entities are described in this section. These interfaces include:

- Bankcard (Chase Bank);
- Budget (OMB);
- CCR (DoD);
- Disbursements and Collections (Treasury ECS, SPS, IPAC, TOP);
- FAADS (Census);
- Financial Reporting (Treasury FACTSI, FACTSII, GOALS);
- Lockbox Collections (e.g., Mellon Bank);
- Payroll (NFC); and
- Transportation (SATO).

Some of these interfaces are required to be included in all OFFM-certified COTS software. According to the draft *2005 Core Financial System Requirements* to be released by OMB's OFFM, the following government-wide system interfaces for core financial systems are required:

- Central Contractor Registry (CCR);
- Electronic Certification System (ECS);
- Federal Agencies Centralized Trial Balance System I (FACTS I);
- Federal Agencies Centralized Trial Balance System II (FACTS II);
- Government Online Accounting Link System (GOALS II);
- Intra-governmental Payment and Collection System (IPAC);
- Treasury Offset Program (TOP); and
- Secure Payment System (SPS).

4.2.5.1 Bankcard

The government-wide commercial purchase card uses a standard commercial credit card to streamline the purchase of supplies, equipment and services up to \$2,500.00. HUD currently uses Chase Bank (formerly Bank One) for this program. The program requires adherence to the applicable standards and procedures mandated by Federal Acquisition Regulations (FAR). The Office of Administrative and Management Services in the ADMN office is responsible for administering the bankcard program within HUD. The Office of Procurement and Contracts assists in monitoring compliance with procurement procedures.

The HUDCAPS (A75) bankcard payment process involves the payment of purchase card transactions through the Bankcard interface. The Bankcard interface transmits credit card data on a monthly basis from Chase to HUDCAPS. The interface records the purchase card expenditures and generates the automated payments for each monthly bill. Expenditure documents are generated and processed for each cardholder's approved VISA transactions. The interface also provides an online table to supply required accounting elements and reference documents for each VISA transaction.

The Finance Office in ADMN is responsible for budgetary and financial reconciliations, paying invoices in compliance with the Prompt Payment Act and all other accounting requirements associated with the Chase bankcard.

Bankcard vendors may change from time to time, however, the bankcard interface process will be required and remain essentially the same regardless of vendor.

4.2.5.2 *Budget*

HUD uses an internally developed system, EZBudget (D61) to manage the flow of information from the time of the initial budget call until the production of the finished Congressional justifications. EZBudget produces the budget documentation that is sent to OMB. The budget submission includes a variety of requirements that are documented in OMB Circular A-11. Budget submission to OMB is currently a manual process, though EZBudget automates the preparatory steps.

OMB's budget markups are manually provided to HUD for update. OMB's final approved budgets are submitted to the Congress. Once budgets are final, the OCFO prepares form SF-132, Apportionment and Reapportionment Schedule, and forwards it to OMB. OMB reviews and approves the SF-132 and returns the approved form to the OCFO. The approved budget amounts are manually recorded in HUDCAPS (A75) and other supporting subsidiary systems.

4.2.5.3 *CCR*

HUD maintains daily updates to the Central Contractor Registry (CCR) database through an interface between the Financial Data Mart (A75R) and CCR. The interface provides a single download to a secure server with special encryption software under control of the FDM. In addition to procurement information, CCR contains EFT information that facilitates the generation of electronic vendor payments. OCFO through the FDM provides HPS (A35) and SPS (P035) controlled views of the CCR data needed to verify that data being written into contracts matches CCR vendor data.

HUDCAPS (A75), LOCCS (A67) and FHA systems are also provided with CCR data.

OCFO generates reports that are used to reconcile CCR EFT information with the vendor EFT information that resides in HUD's vendor file(s). Discrepancies between the banking information from CCR and the information in HUDCAPS are reviewed and adjusted, depending on the whether error is in the CCR or HUDCAPS. These corrections occur prior to authorizing payments.

4.2.5.4 Disbursements and Collections

HUD makes all of its disbursements through Treasury except for payments made by Ginnie Mae under Ginnie Mae's direct disbursing authority. Treasury maintains a variety of methods and systems for accomplishing payments and collecting funds, depending on the type of payment or collection and the program and/or agency making the disbursement or receiving the collection.

Treasury payment programs and systems include the following⁸:

- Automated Clearing House (ACH);
- Automated Standard Application for Payments (ASAP);
- Check Claims;
- Corporate Trade Exchange (CTX);
- Electronic Certification System (ECS);
- Electronic Funds Transfer (EFT);
- EFT for Child Support Payments;
- Electronic Transfer Accounts (ETA);
- Imprest Fund;
- Judgment Fund;
- Payments Accounting Claims Enhancements Reconciliation (PACER online);
- Payment Advice Internet Delivery (PAID);
- Prompt Payment;
- Payment Formats;
- Secure Payment Electronic Certification System (SPS);
- Treasury Check Information System (TCIS);
- Unpaid Foreign Claims; and
- Vendor Express.

Treasury collection programs and systems include the following⁹:

- CA\$HLINK;
- Collateral;
- Debt Collection;
- Electronic Federal Tax Payment System (EFTPS);
- FedTax II;

⁸ Department of the Treasury, Financial Management Service; *Programs and Systems* page, "Payments," <http://www.fms.treas.gov/programs.html>; 10/5/2005.

⁹ Department of the Treasury, Financial Management Service; *Programs and Systems* page, "Collections," <http://www.fms.treas.gov/programs.html>; 10/5/2005.

- Intra-governmental Payments and Collections System (IPAC);
- Minority Bank Deposit Program;
- Pay.gov;
- TGA.net; and
- Treasury Investment Program.

More information about these programs and systems can be found at www.fms.treas.gov. Because of the variety of payment and collection systems maintained by Treasury and the frequent changes that are made to these systems, the LSDP and system diagrams show interfaces to and from Treasury without identifying each individual system at Treasury used for making payments or recording collections.

The general payment process for HUD is described below.

Payment requests can be submitted to Treasury via HUDCAPS (A75), LOCCS (A67), FHA payment systems or ECS/SPS¹⁰. Invoices or vouchers marked for payment are processed and batched into schedules. The schedules are approved by the OCFO and transmitted to Treasury on an electronic SF 1166. Treasury issues payments to the vendors/payees. Payment schedules sent to Treasury through named systems are confirmed through ECS/SPS. Disbursement requests that cannot be processed are returned to HUD for review and possible correction.

Any time HUD incorrectly confirms a schedule (confirms a wrong amount), HUD must regenerate the file under another schedule number and resend it to Treasury and then confirm the new schedule.

The *Financial Event Information Flows and Discussion Paper* (final June 16, 2005) contains more information on the disbursing process and interactions with Treasury in support of HUD's disbursing functions.

4.2.5.5 FAADS

The Federal Assistance Award Data System (FAADS) is a stand alone system maintained by the Bureau of the Census within the Department of Commerce. FAADS allows for Federal funding reports to be submitted to Census. Information is entered award by award, and includes the award name, dollar amount, start and end dates. Census retrieves all information provided to FAADS and submits it to the Congress. Congress then can determine if certain agencies or programs are receiving too little or too much funding.

HUD currently maintains an internal FAADS (A51) to collect the required information and provide it to Census' FAADS on a quarterly basis. HUD plans that the FDM (A75R) will assume this function in FY 2006.

¹⁰ Treasury Financial Management Service (FMS) is replacing ECS with SPS. HUD Headquarters and CFOAC, Ft. Worth, are currently working with FMS to effect the transition.

4.2.5.6 *Financial Reporting*

Treasury financial reporting programs and systems include the following¹¹:

- Cash Management Improvement Act (CMIA);
- GFRS/FACTS I Financial Reporting;
- FACTS II Budgetary Reporting;
- GOALS II;
- Government-wide Accounting (GWA);
- Intra-governmental Reconciliation;
- Transaction Reporting System (TRS); and
- Treasury Report on Receivables (Debt Collection).

There are two primary processes required by Treasury to support financial reporting:

- FACTS I or Automated Trial Balance (ATB) Consolidated Financial Statement Reporting; and
- FACTS II Pre-closing Trial Balance Reporting.

More information about these programs and systems can be found at www.fms.treas.gov. Because of the variety of reporting requirements and the frequency of changes by Treasury, the LSDP and system diagrams show interfaces to and from Treasury without identifying each individual system used for financial reporting.

Of particular relevance for HUD, the FACTS I and FACTS II processes are described below. The *Financial Event Information Flows and Discussion Paper* (final June 16, 2005) contains more information on these processes.

FACTS I or ATB Reporting

The ATB report (formerly FACTS I) is provided annually to Treasury for use in preparing the government's Consolidated Financial Statements; however, HUD produces the file on a monthly basis for internal use. Guidance for preparation and submission of FACTS I information can be found in the *Treasury Financial Manual* (TFM) part 2 – Chapter 4700.

HUD submits financial data to Treasury using the Closing Package process via Treasury's Government Financial Reporting System (GFRS) and the FACTS I application on GOALS II. In addition, HUD submits FACTS I ATB data to Treasury, though Treasury does not use this information to prepare its financial reports.

FACTS II Pre-closing Trial Balance Report

The Federal Agencies' Centralized Trial-Balance System (FACTS II) is a computer system that allows agencies to submit budget execution information to Treasury. This data includes mostly budgetary information that is required for the Report on Budget Execution and Budgetary Resources (SF 133), the Year-End Closing Statement (FMS 2108), and much of the initial data

¹¹ Department of the Treasury, Financial Management Service; *Programs and Systems* page, "Reporting," <http://www.fms.treas.gov/programs.html>; 10/5/2005.

that will appear in the prior year column of the Program and Financing (P&F) Schedule of the President's Budget.¹²

FACTS II is generated on a quarterly basis using HypFACTS (a sub-system of Hyperion). FACTS II includes the Master Account File (MAF). HUD receives the MAF from Treasury and updates it at least annually to include correct and current information.

Hyperion (A39) generates the FACTS II trial balance reports and creates the FACTS II bulk file for Treasury reporting. HypFACTS employs reference tables within Hyperion to populate applicable reporting attributes required by Treasury. Once the bulk file is ready for transmission to Treasury, the appropriate OCFO personnel access the FACTS II system via Treasury's GOALS website and transmit the file.

4.2.5.7 Lockbox Collections

In 1982 Treasury established a Lockbox Depository Network. This network is a series of commercial banks designated to maintain accounts for government agencies using post office boxes to collect and deposit funds held by and owed to the Federal government. Treasury pays for the basic lockbox services received by the agencies.

Customers making payments to HUD are instructed to send their payments directly to one of the post office boxes maintained by a Treasury designated lockbox bank. Each remittance type will have a post office box address. Each day, the bank deposits the funds into a clearing account for transfer to Treasury's main account at the Federal Reserve Bank of New York. The transfer file identifies the agency to which the funds were remitted. Documentation accompanying the remittance is forwarded to HUD, and payments are recorded in the appropriate receivable system, e.g., LOCCS (A67) or DARTS (D21).

Four institutions currently process lockbox payments for the HUD: (1) Bank of America, (2) Chase Bank, (3) Mellon Bank and (4) U.S. Bank. Each banking institution is responsible for collecting payments for different purposes. Table 4-2 summarizes the receipts collected by each of the four institutions.

Table 4-2. Lockbox Banks and Types of Receipts

Banking Institution	Location	Type of Receipts Collected
Bank of America	Atlanta, Georgia	Title I Recertification Title II Recertification Single Family Mortgage Notes Title I Notes Multifamily Premiums Title I Premiums Title I Lender Application Fees Title II Lender Application Fees Miscellaneous Income Multifamily Fees and Premiums Interstate Land Sales Manufactured Housing Inspection Fees Miscellaneous Collections Section 235 Native American Loan Guarantee Program Section 202 Elderly Housing Program Restitution

¹² Treasury FMS, "FACTS II Overview," www.fms.treas.gov/factsii/index.html, June 8, 2005.

Banking Institution	Location	Type of Receipts Collected
		Travel Repayments Multifamily Property Housing Program ACS Lenders Section 312 Technical Suitability Fees
Chase Bank	Chicago, Illinois	Multifamily Notes
Mellon Bank	Pittsburgh, PA	Excess Rental Income
U.S. Bank	St. Louis, MO	Single Family Property Single Family Default Judgment Single Family Erroneous Premium Refund Single Family Claims Restitution HECM

Many of these lockbox collections interface directly with FHA or Ginnie Mae program and feeder systems that are not addressed directly in the LSDP. However, lockbox collections are recorded directly into both LOCCS and DARTS, and these systems are included within the scope of the LSDP.

4.2.5.8 Payroll

Both OCFO-Managed Organizations and OFHEO use NFC payroll services. Both payroll processes are described below.

HUD OCFO-Managed Organizations’ Payroll Process

The National Finance Center (NFC), a Federal e-Payroll provider and part of the Department of Agriculture, processes payroll for HUD. Employees, supervisors and timekeepers work together to record, certify and submit time and attendance information using HUD Form 25012 – Time and Attendance Record. This source document is coded by the timekeeper into a Personnel Computer Time and Attendance Remote Entry System (PC-TARE) file. PC-TARE is run by NFC.

Each pay period, NFC transmits payroll transactions and employee information to HUD by creating a dataset on the Hitachi mainframe to provide HUD access to the payroll and personnel files. Personal Services Cost Reporting System (PSCRS) processes the transactions and generates reports using the payroll and personnel data.

PSCRS also distributes the NFC data to four interfacing systems within HUD including: HUDCAPS (A75), CCFE (A91), LOCCS (A67) and HIHRTS (P162).

PSCRS (A75I) receives a batch file from HIHRTS (P162) that includes Departmental organization codes. For every 18-digit NFC organization code, there is a HUDCAPS seven-digit cost organization code (cost org) and a seven-digit budget organization code (budget org). Both the cost org and the budget org are needed to build the posting transaction for HUDCAPS. The cost org is also need to keep the HUDCAPS employee vendor record current with the employee’s home org.

PSCRS converts the NFC code to the HUDCAPS org code by using the HIHRTS file. The HIHRTS file contains both the NFC code and HUDCAPS org code value.

HUDCAPS posts payroll transactions, summarized by budget object code and sub-object code, to the general ledger using the data received from PSCRS. HUDCAPS receives payroll transactions from

PSCRS through the HUDCAPS Payroll Interface (GLPAY). GLPAY validates payroll data from PSCRS and converts the PSCRS records into PY document header and line records. DOCLOAD loads the PY documents into HUDCAPS to record payroll costs and accruals. Monthly payroll accruals are automatically reversed at the beginning of the next accounting period.

CFOAC (Ft. Worth) receives a copy of the NFC SF-224, Statement of Transactions Report, and records the monthly net disbursed amounts by fund into HUDCAPS. Each pay period, HUD reconciles NFC transactions recorded to their Treasury accounts against the NFC transaction file.

Unemployment compensation payments are recorded as direct pay obligations when the bills are received from the Department of Labor through the Treasury Intra-governmental Payment and Collection System (IPAC). Payments to unemployment recipients are made by the Department of Labor. The Department of Labor subsequently bills agencies for payments made on their behalf via IPAC.

OFHEO NFC Payroll Process

OFHEO also uses NFC as its payroll provider. During FY 2005, OFHEO plans to complete development of a module within its central financial system (FIMS) for automated time and attendance reporting. The target implementation date is October 1, 2005. This will include a direct link from the FIMS module to the NFC payroll system for the reporting of time and attendance. OFHEO has developed an interface for the output of payroll accounting data and is in the process of testing it.

4.2.5.9 *Transportation*

Transportation and travel arrangements for HUD employees using common carriers (air, rail, bus, etc.) are made by the Scheduled Airline Traffic Office (SATO), HUD's travel purchase agent. The fares are charged to HUD's Chase Bank centrally-billed travel credit card. SATO sends a transaction file to HUD monthly which is compared against the Chase statement to ensure accuracy and proper payment. Once the SATO transaction file has been reconciled, it is uploaded into HUDCAPS (A75) by OCFO. This process is documented in the *External Financial Flow* document.

Use of SATO for centrally-billed transportation costs is expected to decrease over time and eventually be phased out; however, no time period has been established for this interface to be discontinued.

4.3 Legacy System Interface Summary

Table 4-3 provides summary information about each interface included within the LSDP.

Detailed information about the data elements provided to interfacing systems from HUDCAPS (that will also be required from ICFS) is included in Section 3.3—Recipients, of the DRD.

Table 4-3. Interface Summary Information

No.	From System ID	From System Short Name	From System Name	To System ID	To System Short Name	To System Name	Frequency	Type of Financial Information
1.	A21	LAS	Loan Accounting System	A67	LOCCS	Line of Credit Control System	Daily	<ul style="list-style-type: none"> ▪ Payment requests ▪ Offset interest ▪ Interest accruals ▪ Mortgage loan receivables ▪ Mortgage loan collections
2.	A21	LAS	Loan Accounting System	A75R	FDM	Financial Data Mart	Daily	<ul style="list-style-type: none"> ▪ Financial information
3.	A35	HPS	HUD Procurement System	A75	HUDCAPS	HUD Central Accounting and Program System	Continuous Daily	<ul style="list-style-type: none"> ▪ Commitments ▪ Obligations ▪ Contractual information
4.	A35	HPS	HUD Procurement System	A75R	FDM	Financial Data Mart	Continuous	<ul style="list-style-type: none"> ▪ Vendor Information
5.	A39	Hyperion	HUD Consolidated Financial Statement System	N/A	Treasury	GOALSII	Quarterly	<ul style="list-style-type: none"> ▪ Trial Balance ▪ Budgetary status ▪ Financial reports
6.	A43	SFIS	Single Family Insurance System	A51	FAADS	Federal Assistance Award Data System	Quarterly	<ul style="list-style-type: none"> ▪ Program obligations
7.	A51	FAADS	Federal Assistance Award Data System	External	FAADS	Census FAADS	Quarterly	<ul style="list-style-type: none"> ▪ Program obligations
8.	A65A	SAVE	Section 235 Automated Validation and Editing	A67	LOCCS	Line of Credit Control System	Daily	<ul style="list-style-type: none"> ▪ Payment requests ▪ Disbursement information
9.	A65A	SAVE	Section 235 Automated Validation and Editing	A75	HUDCAPS	HUD Central Accounting and Program System	Manual as needed	<ul style="list-style-type: none"> ▪ Payment information
10.	A67	LOCCS	Line of Credit Control System	A21	LAS	Loan Accounting System	Daily	<ul style="list-style-type: none"> ▪ Payment confirmation ▪ Collection information

No.	From System ID	From System Short Name	From System Name	To System ID	To System Short Name	To System Name	Frequency	Type of Financial Information
11.	A67	LOCCS	Line of Credit Control System	A51	FAADS	Federal Assistance Award Data System	Quarterly	<ul style="list-style-type: none"> ▪ Program obligations
12.	A67	LOCCS	Line of Credit Control System	A75R	FDM	Financial Data Mart	Weekly	<ul style="list-style-type: none"> ▪ Financial information
13.	A67	LOCCS	Line of Credit Control System	A96	PAS	Program Accounting System	Daily	<ul style="list-style-type: none"> ▪ Disbursements ▪ Disbursement adjustments ▪ Receivables ▪ Collections ▪ Accounting information
14.	A67	LOCCS	Line of Credit Control System	C04	IDIS	Integrated Disbursement & Information System	Daily	<ul style="list-style-type: none"> ▪ Payment confirmation ▪ Payment request disposition ▪ Receivables ▪ Collections
15.	A67	LOCCS	Line of Credit Control System	N/A	Treasury	Treasury Disbursing System	Daily	<ul style="list-style-type: none"> ▪ Payment requests ▪ Interest offsets
16.	A67	LOCCS	Line of Credit Control System	P104	WASS	Web Access Security Subsystem	Continuous	<ul style="list-style-type: none"> ▪ LOCCS information requested through secure access
17.	A67	LOCCS	Line of Credit Control System	F17C	FHAC	FHA Connection	Continuous	<ul style="list-style-type: none"> ▪ LOCCS information requested through secure access
18.	A75	HUDCAPS	HUD Central Accounting & Program System	A35	HPS	HUD Procurement System	Continuous Daily	<ul style="list-style-type: none"> ▪ Funds available ▪ Vendor information
19.	A75	HUDCAPS	HUD Central Accounting & Program System	A75R	FDM	Financial Data Mart	Daily	<ul style="list-style-type: none"> ▪ Financial information extracts ▪ Vendor & banking Information

4.0 Current Legacy Systems and Interfaces

No.	From System ID	From System Short Name	From System Name	To System ID	To System Short Name	To System Name	Frequency	Type of Financial Information
20.	A75	HUDCAPS	HUD Central Accounting & Program System	A96	PAS	Program Accounting System	Daily	<ul style="list-style-type: none"> ▪ Obligation information ▪ Payment information
21.	A75	HUDCAPS	HUD Central Accounting & Program System	P035	SPS	Small Purchase System	Continuous Daily	<ul style="list-style-type: none"> ▪ Funds available ▪ Vendor information
22.	A75	HUDCAPS	HUD Central Accounting & Program System	N/A	Treasury	Treasury Disbursing System	Daily	<ul style="list-style-type: none"> ▪ Payment requests
23.	A75I	PSCRS	Personal Service Cost Report Subsystem	A67	LOCCS	Line of Credit Control System	Weekly	<ul style="list-style-type: none"> ▪ Personnel cost information
24.	A75I	PSCRS	Personal Service Cost Report Subsystem	A75	HUDCAPS	HUD Central Accounting and Program System	Weekly	<ul style="list-style-type: none"> ▪ Payroll & benefit expenses ▪ Payroll & benefit accruals
25.	A75I	PSCRS	Personal Service Cost Report Subsystem	A91	CCFF	Consolidated Cost & FTE Files	Weekly	<ul style="list-style-type: none"> ▪ Personnel cost information
26.	A75I	PSCRS	Personal Service Cost Report Subsystem	D091	CAPS	OCFO WebFocus Corrective Action Plan	Weekly	<ul style="list-style-type: none"> ▪ Personnel cost and FTE information
27.	A75R	FDM	Financial Data Mart	A35	HPS	HUD Procurement System	Continuous	<ul style="list-style-type: none"> ▪ Vendor Information
28.	A75R	FDM	Financial Data Mart	A39	Hyperion	HUD Central Financial Reporting System	Quarterly	<ul style="list-style-type: none"> ▪ HUDCAPS financial transactions
29.	A75R	FDM	Financial Data Mart	D65A	BOSS	Section 8 Budget Outlay Support System	Daily	<ul style="list-style-type: none"> ▪ Section 8 program outlays
30.	A75R	FDM	Financial Data Mart	D91A	REAP/TEAM	Resource Estimation and Allocation Process/ Total Estimation and Allocation Mechanism	Monthly	<ul style="list-style-type: none"> ▪ Timesheet data
31.	A75R	FDM	Financial Data Mart	P013	FHA-SL	FHA Subsidiary Ledger	Monthly	<ul style="list-style-type: none"> ▪ FHA general ledger information
32.	A75R	FDM	Financial Data Mart	P035	SPS	Small Purchase System	Continuous	<ul style="list-style-type: none"> ▪ Vendor information

No.	From System ID	From System Short Name	From System Name	To System ID	To System Short Name	To System Name	Frequency	Type of Financial Information
33.	A75R	FDM	Financial Data Mart	F87	TRACS	Tenant Rental Assistance Certification System	Daily	<ul style="list-style-type: none"> ▪ Grant information
34.	A75R	FDM	Financial Data Mart	P113	PIC	PIH Information Center	Daily	<ul style="list-style-type: none"> ▪ Project and program information
35.	A96	PAS	Program Accounting System	A67	LOCCS	Line of Credit Control System	Daily Continuous	<ul style="list-style-type: none"> ▪ Disbursement limits ▪ Contract increases & decreases
36.	A96	PAS	Program Accounting System	A75	HUDCAPS	HUD Central Accounting & Program System	Daily	<ul style="list-style-type: none"> ▪ Sub-allotments ▪ Spending transactions (obligations, expenditures) ▪ Collections ▪ Revenues ▪ Recaptures
37.	A96	PAS	Program Accounting System	A75R	FDM	Financial Data Mart	Daily	<ul style="list-style-type: none"> • Contracts and program information • Program funding
38.	A96	PAS	Program Accounting System	D65A	BOSS	Section 8 Budget Outlay Support System	Monthly	<ul style="list-style-type: none"> ▪ Program level funding ▪ Program level accounts payable & disbursements ▪ Program level accounts receivable & collections
39.	A96	PAS	Program Accounting System	F24D	REMS	Real Estate Management System	Daily	<ul style="list-style-type: none"> • Program funding levels

4.0 Current Legacy Systems and Interfaces

No.	From System ID	From System Short Name	From System Name	To System ID	To System Short Name	To System Name	Frequency	Type of Financial Information
40.	A96	PAS	Program Accounting System	F87	TRACS	Tenant Rental Assistance Certification System	Daily	<ul style="list-style-type: none"> ▪ Funding information for subsidy contracts ▪ Rental information
41.	B16	MASS	Macola Accounting Software System	A39	HCFSS or Hyperion	HUD Central Financial Reporting System	Quarterly	<ul style="list-style-type: none"> ▪ Financial transactions per Excel spreadsheet template
42.	C04	IDIS	Integrated Disbursement and Information System	A67	LOCCS	Line of Credit Control System	Daily	<ul style="list-style-type: none"> ▪ Payment requests ▪ Disbursement information ▪ Accounts receivable
43.	D08	Bonds	Bond Payment	A67	LOCCS	Line of Credit Control System	Daily	<ul style="list-style-type: none"> ▪ Payment requests ▪ Disbursement information
44.	D08	Bonds	Bond Payment	A75	HUDCAPS	HUD Central Accounting & Program System	Manual, daily or as needed	<ul style="list-style-type: none"> ▪ Payment information
45.	D21	DARTS	Departmental Accounts Receivable and Collection Tracking System	F24D	REMS	Real Estate Management System	Manual, daily or as needed	<ul style="list-style-type: none"> ▪ Receivable information
46.	D21	DARTS	Departmental Accounts Receivable and Collection Tracking System	A75	HUDCAPS	HUD Central Accounting & Reporting System	Manual, daily or as needed	<ul style="list-style-type: none"> ▪ Receivables ▪ Collections
47.	D61	EZB	EZBudget	External	OMB	OMB Budget System	Annually (manual)	<ul style="list-style-type: none"> ▪ Budget submission
48.	D67A	FIRMS	Facilities Integrated Resources Management System	A75	HUDCAPS	HUD Central Accounting & Program System	Annually (manual)	<ul style="list-style-type: none"> ▪ Depreciation ▪ Inventory reconciliation information

No.	From System ID	From System Short Name	From System Name	To System ID	To System Short Name	To System Name	Frequency	Type of Financial Information
49.	External	Bankcard	Chase Bank	A75	HUDCAPS	HUD Central Accounting & Program System	Monthly	<ul style="list-style-type: none"> ▪ Bankcard Expenditures
50.	External	CCR	Central Contractor Registry	A75R	FDM	Financial Data Mart	Daily	<ul style="list-style-type: none"> ▪ Vendor procurement information ▪ Vendor EFT information ▪ Vendor banking information
51.	External	Lockbox	Mellon Bank Lockbox	A67	LOCCS	Line of Credit Control System	Daily	<ul style="list-style-type: none"> ▪ Collections
52.	External	Lockbox	Mellon Bank Lockbox	D21	DARTS	Departmental Accounts Receivable and Collections Tracking System	Daily	<ul style="list-style-type: none"> ▪ Collections
53.	External	NFC	NFC Payroll System	A75I	PSCRS	Personnel Services Cost Reporting Subsystem	Weekly	<ul style="list-style-type: none"> ▪ Payroll & benefit expenditures ▪ Payroll & benefit accruals
54.	External	SATO	Scheduled Airline Traffic Office	A75	HUDCAPS	HUD Central Accounting & Program System	Monthly	<ul style="list-style-type: none"> ▪ Transportation expenditures
55.	External	Treasury	Treasury Disbursing & Collections System(s)	A67	LOCCS	Line of Credit Control System	Daily	<ul style="list-style-type: none"> ▪ Schedule confirmations and rejections ▪ Collections
56.	External	Treasury	Treasury Disbursing & Collections System(s)	A75	HUDCAPS	HUD Central Accounting and Program System	Daily	<ul style="list-style-type: none"> ▪ Schedule confirmations and rejections ▪ Collections
57.	F17C	FHAC	FHA Connection	A67	LOCCS	Line of Credit Control System	Continuous	<ul style="list-style-type: none"> ▪ LOCCS information requests

4.0 Current Legacy Systems and Interfaces

No.	From System ID	From System Short Name	From System Name	To System ID	To System Short Name	To System Name	Frequency	Type of Financial Information
58.	F87	TRACS	Tenant Rental Assistance Certification System	A67	LOCCS	Line of Credit Control System	Daily	<ul style="list-style-type: none"> ▪ Tenant voucher requests ▪ Payment information
59.	F87	TRACS	Automated Renewal and Amendment Management Subsystem/ Tenant Rental Assistance Certification System	A96	PAS	Program Accounting System	Daily	<ul style="list-style-type: none"> ▪ Funding information for subsidy contracts ▪ Rental information
60.	H18	IATS	Integrated Automated Travel System	A75	HUDCAPS	HUD Central Accounting & Program System	Manual, daily or as needed	<ul style="list-style-type: none"> ▪ Payroll tax expenses ▪ Payroll tax accruals
61.	OFHEO	FIMS	Financial Information and Management System	A39	Hyperion	HUD Central Financial Reporting System	Quarterly	<ul style="list-style-type: none"> ▪ Financial transactions per Excel spreadsheet template
62.	P001	HTMS/ eTravel	HUD Travel Management System/ FedTraveler.com	A75	HUDCAPS	HUD Central Accounting & Program System	Continuous	<ul style="list-style-type: none"> ▪ Travel orders ▪ Travel vouchers ▪ Travel advances ▪ Travel reimbursements
63.	P013	FHA-SL	FHA Subsidiary Ledger	A39	HCFSS or Hyperion	HUD Central Financial Reporting System	Quarterly	<ul style="list-style-type: none"> ▪ Financial transactions per Excel spreadsheet template
64.	P013	FHA-SL	FHA Subsidiary Ledger	A51	FAADS	Federal Assistance Award Data System	Quarterly	<ul style="list-style-type: none"> ▪ Program obligations
65.	P035	SPS	Small Purchase System	A75	HUDCAPS	HUD Central Accounting and Program System	Continuous	<ul style="list-style-type: none"> ▪ Commitments ▪ Obligations
66.	P035	SPS	Small Purchase System	A75R	FDM	Financial Data Mart	Continuous	<ul style="list-style-type: none"> ▪ Vendor information
67.	P104	WASS	Web Access Security System	A67	LOCCS	Line of Credit Control System	Continuous	<ul style="list-style-type: none"> ▪ LOCCS information requests

No.	From System ID	From System Short Name	From System Name	To System ID	To System Short Name	To System Name	Frequency	Type of Financial Information
68.	P162	HIHRTS	HUD Integrated Human Resources Training System	A75	HUDCAPS	HUD Central Accounting and Program System	Daily	<ul style="list-style-type: none"> ▪ Organization codes
69.	P162	HIHRTS	HUD Integrated Human Resources Training System	A75I	PSCRS	Personal Service Cost Reporting System	Weekly	<ul style="list-style-type: none"> ▪ Organization code crosswalk of NFC code to HUDCAPS cost org code and budget org code
70.	P190	GFITS	Government Financial Information Tracking Tool	A75	HUDCAPS	HUD Central Accounting and Program System	Manual, daily or as needed	<ul style="list-style-type: none"> ▪ Max Project amounts for project funds control
71.	UNK	TIBEC	Technology Investment Board Portfolio	A75R	FDM	Financial Data Mart	Monthly	<ul style="list-style-type: none"> ▪ Plan execution vs. plan for IT investments

5.0 UPCOMING INITIATIVES

5.0 UPCOMING INITIATIVES

As of the end of calendar year 2004, HUD had over 100 systems supporting its major lines of business (LoBs). HUD is committed to reducing that number through a series of initiatives that are documented in its *E-Government Strategic Action Plan* (developed during 2004). The *E-Government Strategic Action Plan* serves as a roadmap for these initiatives. It identifies HUD's e-Government initiatives and describes their alignment with HUD's Enterprise Architecture business model.

Because of HUD's ongoing, agency-wide automated systems transformation and the significant IT investment being made to deliver efficient and effective systems solutions, there are several key initiatives other than HIFMIP that are occurring concurrently throughout the Department. Some of these initiatives that may affect HIFMIP in the upcoming stages are described briefly in this chapter. Of particular interest to HIFMIP are those initiatives that will position HUD to address agency-wide program, performance and customer information integration in HIFMIP Phase IV.

With all initiatives, including the planned HIFMIP work described in the *HIFMIP Roadmap*, HUD must take into account the following considerations:

- The transition to new systems and processes under the HIFMIP umbrella must include automated workflows to enable transactions to be recorded online in real time.
- The selected HIFMIP SI/COE should adapt and use proven industry best practices and stable systems to support HUD. HUD's requirements will be clearly stated in a Service Level Agreement. The SI/COE will select the appropriate newly developed processes.
- The level of system/infrastructure support provided by the OCIO contractor team during and after the transition to the new COTS solution must be considered by the HIFMIP project team.
- HUD program organizations will work with HIFMIP management to identify automated programmatic functions and separate them from core financial system functions. Program organizations will be responsible for transitioning program functions in existing financial systems, e.g., HUDCAPS, to program systems prior to implementing ICFS. OCFO will transition the core financial functions to ICFS.
- Oracle Corporation has stated that they will provide Federal agencies using PeopleSoft's financial system a migration path to the new Oracle Fusion product. This will require agencies to have implemented one of Oracle's new versions of PeopleSoft (version 8.9 or 9.0). More information about this area is included in Section 5.5.
- The OCIO Technology Board and the TIBWG support Administration and e-Government solutions that adopt enterprise-wide systems and standardized processes. This is requirement to receive funding for IT projects.
- The OCIO TIBWG expects IT projects to replace current systems with new systems, not add to the HUD systems inventory.
- OCIO is working with their IT infrastructure to establish a timeline and process to replaced aged, out-of-date systems, including the Unisys hardware. OCIO's plans and timeframes will affect the HIFMIP implementation plan.

The following specific HUD and external initiatives are described in this chapter:

- Procurement,
- Human Resources,
- Rental Assistance, and
- Grants.

More information on these initiatives can be found in HUD's *E-Government Act of 2002 Second Annual Report* (December 2004) and the *E-Government Strategic Action Plan*.

In addition to the HUD initiatives described in this section, there is always the possibility of externally-mandated initiatives that will affect HIFMIP. There are no new Federal initiatives identified at this time, but Federal initiatives can arise at any time. HIFMIP project management will need to be aware of external initiatives such as pending legislation, changing central agency requirements or external system upgrades or replacements (such as Treasury or NFC).

Finally, changes in vendor software capabilities, such as new COTS releases, will occur from time to time and will need to be factored into the HIFMIP plan and schedule. Since some HUD business areas have already implemented or are in the process of implementing PeopleSoft, Oracle's plans for the future of PeopleSoft are also described in this chapter.

5.1 Procurement

OCPO is planning to acquire and implement a new procurement system within the next few years. This initiative is in the early planning stages; however, there is a strong potential for tight integration between ICFS and the new procurement system due to technical and functional advances in administrative and financial software. The initial implementation of ICFS will include interfaces to the existing procurement systems: HPS and SPS. The HIFMIP project team should communicate regularly with OCPO to monitor the status of the procurement initiative and determine the timing and nature of the new interface which is currently included in the HIFMIP schedule for FY 2010.

5.2 Human Resources

HIHRTS Enterprise Portal was implemented in December 2003 to provide an integrated system that meets human resources and training information systems information needs. An overview of HIHRTS functionality was provided in Chapter 4. HIHRTS has recently been transitioned to Treasury's HR Connect service provider solution to align with the Federal HR LoB initiative. HIHRTS is based on PeopleSoft's COTS HR package.

Advances in HR systems will provide the ability to better integrate HR, payroll and financial information across HUD. The HIFMIP project team will need to coordinate with HR to determine any impacts of the existing HR initiatives on existing financial interfaces such as HIHRTS' input to the payroll interface. Additionally, the team should be looking for ways to integrate HR and financial information as both initiatives move ahead. As additional functionality is developed in HIHRTS and the OCFO develops a more comprehensive cost management process, additional integration/interface issues will be identified and resolved. For example, HUD may assess whether HIHRTS offers improved Time and Attendance (T&A) functions over the current PC-TARE capabilities and transition to the new system and T&A functions.

5.3 Rental Assistance

There are several initiatives included under the heading of Rental Assistance, including:

- REMS,
- TRACS, and
- PIC.

These initiatives may impact HIFMIP, so the HIFMIP project team will need to be aware of their status and the implications of their implementations on HIFMIP.

5.3.1 REMS

REMS is an automated, web-based repository for MFH's portfolio of insured and assisted properties. REMS allows HUD to maintain a fully integrated database of project-related information for over 26,000 projects in one central data repository. This saves time for users who used to look up information in multiple systems and provides better information for informed decision-making. MFH is currently assessing the impact of collaborating with other agencies to further reduce costs and improve quality. The impact on HIFMIP is not likely to be significant, but periodic assessment throughout the HIFMIP life cycle will ensure that any requirements are identified and incorporated into the project plan.

5.3.2 TRACS

TRACS collects certified tenant data from owners and management agents of Multifamily housing projects, from local housing authorities and from state housing agencies acting as subsidy contract administrators for HUD. TRACS provides rental assistance payments to owners of the Multifamily-assisted housing projects for over 3.2 million tenants. TRACS has automated formerly manual procedures and added fiscal controls, enabling HUD to collect and maintain accurate rental assistance data, forecast budget requirements and detect subsidy fraud. Future enhancements will automate calculation and payment of rental assistance, provide Internet-based access to tenant and contract data and allow coordination with other agencies to detect fraud. The impact of this initiative may provide more accurate and complete financial information that can be incorporated into a new interface with ICFS. Periodic assessment throughout the HIFMIP life cycle will ensure that any requirements are identified and incorporated into the project plan.

5.3.3 PIC

PIC allows HUD and PHAs to electronically submit and review information about the public housing inventory managed by HUD. PIC provides a central data repository for information about the housing inventory, PIH business events and program areas. In fiscal year 2004, PIC was restructured to support an enterprise-wide Rental Housing Assistance business. The new model is based on four key functions: inventory management; resource (subsidy) allocation; enterprise income verification and oversight and monitoring. All REAC systems will be organized under the same functional areas. To the extent that these other REAC systems interface or will interface with ICFS, changes in the interface(s) may be required.

5.4 Grants

HUD awards approximately \$31.5 billion per year in Federal financial assistance through 56 active programs to over 10,000 recipients. Because grant programs are such a large part of HUD's business, any initiatives in this area are likely to impact HIFMIP, particularly for payments processing and the integration of programmatic and financial information. Several initiatives are described below:

- eGrants,
- eGrants Storefront,
- Grantium, and
- Oracle/Peoplesoft.

5.4.1 eGrants

HUD eGrants was initiated to provide an enterprise-wide solution for grants management at HUD. The eGrants initiative consists of two phases. In the first phase, an interim solution will allow electronic applications received via grants.gov to be distributed within HUD. Once an application is received, review and processing can be accomplished using a workflow product.

In the second phase, eGrants will provide end-to-end grants management on an enterprise level. HUD is in the process of evaluating various COTS and government off-the-shelf solutions to determine the best approach for bringing this electronic capability to the Department.

In conjunction with eGrants, CPD is re-engineering and consolidating its grants systems, including IDIS. The IDIS initiative is introducing new technology that improves HUD's internal grants processing efficiency and effectiveness. Over the next several years, CPD will continue integrating its grants systems. After completing the integration efforts, CPD will begin to collapse its grants systems into a single solution or solutions, consistent with HUD's grants management LoB.

PIH is also undertaking efforts that support the Department's eGrants initiative.

5.4.2 eGrants Storefront

The Grants Policy Office is working with a Federal agency-wide e-Government project team to implement approved processes and to adapt current systems to support the eGrants Storefront. The eGrants Storefront is used to accept grant applications and disseminate grant information to potential recipients. The eGrants Storefront is part of the larger HUD eGrants initiative, consistent with the Federal Grants Management LoB solution. HUD's eGrants goal is to leverage technology to empower its business partners, program offices and the Department as a whole to increase housing and development services to quantitatively improve communities.¹³

5.4.3 Grantium™

PIH recently acquired a license to implement Grantium™, a comprehensive grants management system. This COTS solution has been successfully implemented at other Federal agencies and

¹³HUD Office of the Assistant Secretary for Administration/OCIO, *HUD's eGrants Update for Grantees*, August 10, 2004, p. 44.

has the functionality to support more than one grants program. Grantium™ is a next generation Enterprise Application from Infoterra designed for grant professionals. The Grantium™ Product Suite is designed with three primary functional areas that align with emerging standards and better practices in grants management, including:

- Electronic Front Office (Applicant);
- Electronic Program Office (Program Team); and
- Embedded Systems Integration Engine, e.g., financial and document management systems.

The Electronic Front Office (Applicant) is the public-facing component of an eGrants system, providing the facility to publish programs, accept applicant submissions and publish award notifications. The Electronic Program Office (Program Team) supports a plethora of functionality required by Program staff to support the various processes that make up the Grant Program delivery life cycle. This includes assessment processes; case, project and program management; claims processing; tracking of risk and performance; and an extensive reporting and monitoring facility.

Of particular interest to HIFMIP, the Embedded Systems Integration Engine provides an advanced interfacing and integration subsystem that provides connectivity and synchronization with corporate applications and databases related to the eGrants system, e.g., ICFS. This may include financial systems, document management systems and content management systems such as the U.S. Federal eStore, Front portal.

As PIH implements Grantium™ and gains experience with its capabilities, it is likely that other HUD program areas will consider using this software package.

These initiatives are likely to result in changes to the way existing programmatic systems manage and control their grants, which may affect planned interfaces and interactions with existing systems and ICFS interface plans. Additionally, more accurate and complete grant financial information may be available as a result of these initiatives that can be incorporated into new interfaces with ICFS. Periodic assessment throughout the HIFMIP life cycle will ensure that any requirements and opportunities to capture improved financial information are identified and incorporated into the project plan.

5.5 Oracle/PeopleSoft

HUD has selected PeopleSoft Financials for use as the foundation for ICFS. FHA has already implemented PeopleSoft, and Ginnie Mae has recently begun the process of implementing PeopleSoft to replace MASS. OFHEO is using Oracle Financials.

With HUD's planned implementation of PeopleSoft as the foundation for ICFS, the vendor's future plans will be important to the future of HIFMIP. Oracle Corporation bought PeopleSoft in December 2004, creating some question as to the future of PeopleSoft and what that might mean for HUD and other PeopleSoft clients.

At the Oracle Government Users Conference held in Washington, D.C. in July 2005, Oracle provided information about its new Fusion platform and its impact on the planned integration of Oracle and PeopleSoft government financial software. Oracle had previously announced plans to support PeopleSoft Enterprise through 2013; however, detailed information about new releases and the type of support were not clearly defined.

In its latest announcement, Oracle indicated that it will use a Fusion platform with a standards-based modular design for its architecture. Oracle plans to use the Java platform to build the different components and deploy the emerging Business Process Execution Language to “glue” the components together. Java Server Faces will take the place of Oracle Forms for the database-driven applications. PeopleSoft’s own application server will be replaced with Oracle’s. Essentially, Oracle is planning to provide application software with a PeopleSoft look and feel, but with Oracle architecture underneath.

Oracle also said it plans smaller, more frequent upgrades due to the use of more fine-grained modular services such as breaking a typical module like Accounts Payable into even smaller standalone processes. This will alter Oracle’s upgrade cycle from the typical large upgrade package every two years to smaller, more frequent updates that can be installed without taking the existing application offline.

Oracle will begin rolling out the Fusion platform next year (2006). Customers will need to be using PeopleSoft 8.9 or Oracle’s E-Business Suite Version 11i.10 in order to migrate to the Fusion platform. According to the latest information available from Oracle’s website, PeopleSoft 8.9 will be available later in calendar year 2005. Oracle is also planning to provide one additional standalone application release of PeopleSoft (PeopleSoft 9) sometime later in calendar year 2006. The standalone releases will contain the Fusion components to allow for future Fusion deployment.

After the initial ICFS implementation, HUD plans to use the new Fusion platform to integrate all four HUD business areas with a single common version of the new Fusion software. The HIFMIP project team will need to monitor the progress of Oracle’s Fusion deployment, along with the separate business area initiatives using PeopleSoft to determine the best timing for an agency-wide integration effort. The current HIFMIP timeline calls for an upgrade to the Fusion platform at the COE in 2011.

6.0 DISPOSITION STRATEGY

6.0 DISPOSITION STRATEGY

This chapter provides the strategy for the future of existing legacy systems. A master plan for retiring legacy systems is a useful management tool. Table 6-1 provides this disposition plan by system and fiscal year. This disposition strategy has been incorporated into the *HIFMIP Roadmap* and will be included in the Project Work Plan.

Table 6-1 summarizes the recommended disposition of all the systems included within the scope of this document by fiscal year and is organized by HUD office and system, following the structure of the *HUD Inventory of Financial/Mixed Systems*. The following categories (defined in Table 3-2) are used in the disposition strategy:

- Replace,
- Interface,
- Integrate, and
- No action.

In addition, the “retired” category is included for any systems that will be retired as a result of being replaced or integrated. In the year(s) following the initial retirement of a system, the cells showing the retirement are shaded to indicate that the system is no longer in use.

Table 6-1. LSDP by Fiscal Year

No.	Owner	System Identifier	Name	System Short Name	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
1.	ADMN	D67A	Facilities Integrated Resources Management System	FIRMS	Interface (HUDCAPS)	Interface	Interface (ICFS)	Interface	Interface	Interface	Interface	Interface
2.	ADMN	A35	HUD Procurement System	HPS	Interface (HUDCAPS)	Interface	Interface (ICFS)	Interface	Replace with new system & new interface (ICFS). Retire HPS.	Interface (new system & ICFS)	Interface (new system & ICFS)	Interface (new system & ICFS)
3.	ADMN	P162	HUD Integrated Human Resources and Training System	HIHRTS	Interface (HUDCAPS)	Interface	Interface (ICFS)	Interface	Interface	Interface	Enhanced Interface (ICFS)	Interface
4.	ADMN	P035	HPS - Small Purchase System	HPS-SPS	Interface (HUDCAPS)	Interface	Interface (ICFS)	Interface	Replace with new system & new interface (ICFS). Retire SPS.	Retired	Retired	Retired
5.	ADMN	A51	Federal Assistance Award Data System	FAADS	Replace with FDM. Retire FAADS.	Retired	Retired	Retired	Retired	Retired	Retired	Retired
6.	OCFO	A21	Loan Accounting System	LAS	Upgrade (no action re: ICFS)	Upgrade (no action re: ICFS)	No action	Interface (ICFS)	Interface	Interface	Interface	Interface

Section 6.0 Disposition Strategy

No.	Owner	System Identifier	Name	System Short Name	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
7.	OCFO	A39	HUD's Consolidated Financial Statement System	Hyperion	No action	No action	Interface (ICFS)	Replace with ICFS. Retire Hyperion.	Retired	Retired	Retired	Retired
8.	OCFO	A65A	Section 235 Automated Validation and Editing	SAVE	Integrate with LOCCS. Retire SAVE.	Retired	Retired	Retired	Retired	Retired	Retired	Retired
9.	OCFO	A67	Line of Credit Control System	LOCCS	No action	No action	Interface (ICFS)	Interface	Interface	Interface	Interface	Interface
10.	OCFO	A75	HUD Central Accounting and Program System	HUDCAPS	No action	No action	Replace (ICFS). Retire HUDCAPS.	Retired	Retired	Retired	Retired	Retired
11.	OCFO	A75I	Personal Services Cost Reporting Subsystem	PSCRS	No action	No action	Replace (NFC to ICFS) interface. Retire PSCRS.	Retired	Retired	Retired	Retired	Retired
12.	OCFO	A75R	Financial Data Mart	FDM	No action	No action	Interface (ICFS)	Interface	Interface	Interface	Replace (Financial Data Warehouse). Retire FDM.	Retired
13.	OCFO	A91	Consolidated Cost & FTE Files	CCFF	No action	No action	Interface (ICFS)	Interface	Interface	Interface	Integrate (ICFS or HIHRTS). Retire CCFF.	Retired
14.	OCFO	A96	Program Accounting System	PAS	No action	No action	Integrate (ICFS &/or LOCCS). Retire PAS.	Retired	Retired	Retired	Retired	Retired

Section 6.0 Disposition Strategy

No.	Owner	System Identifier	Name	System Short Name	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
15.	OCFO	D08	Bond Payment	Bonds	Integrate with LOCCS. Retire Bonds.	Retired	Retired	Retired	Retired	Retired	Retired	Retired
16.	OCFO	D091	OCFO WebFocus Corrective Action Plan Reports System	CAPS	No action	No action	No action	No action	No action	No action	Integrate (ICFS or HIHRTS). Retire CAPS.	Retired
17.	OCFO	D21	Departmental Accounts Receivable Tracking/ Collection System	DARTS	No action	No action	Interface (ICFS - manual)	Interface	Replace with ICFS. Retire DARTS.	Retired	Retired	Retired
18.	OCFO	D61	Budget Formulation System (EZBudget)	EZB	No action	No action	No action	No action	Integrate (ICFS). Retire EZB.	Retired	Retired	Retired
19.	OCFO	D65A	Section 8 Budget Outlay Support System	BOSS	No action	No action	No action	No action	Integrate (ICFS). Retire BOSS.	Retired	Retired	Retired
20.	OCFO	D91A	Resource Estimation Allocation Process/ Total Estimation and Allocation Mechanism	REAP/ TEAM	No action	No action	No action	No action	No action	No action	Interface with Financial Data Warehouse	Interface with Financial Data Warehouse
21.	OCFO	H18	Integrated Automated Travel System	IATS	No action	No action	Interface (ICFS – manual)	Interface	Interface (ICFS – automated)	Interface	Interface	Interface

Section 6.0 Disposition Strategy

No.	Owner	System Identifier	Name	System Short Name	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
22.	OCFO	P001	HUD Travel Management System/ FedTraveler.com	HTMS/ eTravel	Replace HTMS with eTravel; interface with HUDCAPS. Retire HTMS.	Interface	Interface (ICFS)	Interface	Interface	Interface	Interface	Interface
23.	OCFO	P190	Government Financial Information Tracking System	GFITS	No action	Automate interface (HUDCAPS)	Interface (ICFS)	Interface	Interface	Interface	Interface	Interface
24.	CPD	C04	Integrated Disbursement & Information System	IDIS	No action	No action	No action	Interface Program systems with ICFS	Interface	Interface	Interface	Interface
25.	OH	A43	Single Family Insurance System	SFIS	Interface (FDM, not FAADS)	Interface	Interface	Replace interface with FHA ICFS to FDM	No action	No action	No action	No action
26.	OH (FHA)	F24D	Real Estate Management System	REMS	No action	No action	Interface (ICFS)	Interface	Interface	Interface	Interface	Interface
27.	OH (FHA)	F87	Tenant Rental Assistance Certification System	TRACS	No action	No action	No action	Interface Program systems with ICFS	Interface	Interface	Interface	Interface
28.	OH (FHA)	P013	FHA Subsidiary Ledger	FHA-SL	No action	No action	No action	Integrate with ICFS @ COE. Retire FHA-SL.	Retired	Retired	Retired	Retired
29.	OH (FHA)	F17C	FHA Connection	FHAC	No action	No action	No action	No action	No action	No action	No action	No action

No.	Owner	System Identifier	Name	System Short Name	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
30.	Ginnie Mae	B16	MACOLA Accounting Software System	MASS	No action	Replace with PeopleSoft. Retire MASS.	No action	Interface (ICFS for financial statement data)	Integrate with ICFS @ COE. Retire Ginnie Mae SL.	Retired	Retired	Retired
31.	PIH	P113	PIH Information Center System	PIC	No action	No action	No action	No action	No action	No action	Interface with Financial Data Warehouse	Interface
32.	PIH	P194	Web Access Security Subsystem	WASS	No action	No action	No action	No action	No action	No action	No action	No action
33.	OFHEO	UNK	Financial Information & Management System	FIMS	No action	No action	No action	Interface (ICFS for financial statement data)	Interface	Interface	Integrate with ICFS @ COE. Retire FIMS.	Retired
34.	OCIO	UNK	Technology Investment Board Portfolio	TIBEC	No action	No action	No action	No action	No action	No action	Interface with Financial Data Warehouse	Interface

Table 6-2 summarizes the systems totals by fiscal year. The details supporting this summary can be found in Appendix C.

Table 6-2. Total Systems by Fiscal Year

	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Total Systems – Start of Fiscal Year	34	31	31	29	27	22	22	19
New Systems	1	1	1	0	1	0	1	0 ¹⁴
Retired/Replaced Systems	4	1	3	2	6	0	4	0
Total Systems - End of Fiscal Year	31	31	29	27	22	22	19	19

By the end of HIFMIP Phase IV in FY 2013, HUD will have reduced the number of financial systems by at least 15 or a reduction of over 44% in the total number of systems to be maintained. Additionally, since much of the HIFMIP initiative involves integration of HUD systems using common architectures, the remaining systems should integrate more readily and be easier to maintain and upgrade, regardless of where they are operated.

Table 6-3 summarizes the systems to be addressed by fiscal year.

Table 6-3. Systems Affected by Fiscal Year

Fiscal Year	System ID	System Short Name	System Title	Notes & Comments
2006	A51	FAADS	Federal Assistance Award Data System	Replace with FDM
	A65A	SAVE	Section 235 Automated Validation & Editing	Integrate with LOCCS
	D08	Bonds	Bond Payment	Integrate with LOCCS
	D67A	FIRMS	Facilities Integrated Resources Management System	Automate interface with HUDCAPS
	P001	HTMS	HUD Travel Management System	Replace with FedTraveler.com
	A43	SFIS	Single Family Insurance System	Interface with FDM, not FAADS
2007	P190	GFITS	Government Financial Information Tracking System	Automate interface with HUDCAPS
	B16	MASS	Macola Accounting System Software	Replace with PeopleSoft at COE
2008	D67A	FIRMS	Facilities Integrated Resources Management System	Interface with ICFS
	A35	HPS	HUD Procurement System	Interface with ICFS (real-time)
	P162	HIHRTS	HUD Integrated Human Resources and Training System	Interface with ICFS

¹⁴ Additional tools are planned for FY 2013, but these are not financial or mixed systems.

Fiscal Year	System ID	System Short Name	System Title	Notes & Comments
	P035	SPS	Small Purchase System	Interface with ICFS (real-time)
	A39	Hyperion	HUD's Consolidated Financial Statement System	Interface with ICFS
	A67	LOCCS	Line of Credit Control System	Interface with ICFS
	A75	HUDCAPS	HUD Central Accounting & Program System	Replace with ICFS
	A75I	PSCRS	Personal Services Cost Reporting Subsystem	Replace with ICFS
	A75R	FDM	Financial Data Mart	Interface with ICFS
	A91	CCFF	Consolidated Cost & FTE Files	Interface with ICFS
	A96	PAS	Program Accounting System	Replace with ICFS and/or LOCCS
	D21	DARTS	Departmental Accounts Receivable and Collections Tracking System	Interface with ICFS (manual)
	H18	IATS	Integrated Automated Travel System	Interface with ICFS (manual)
	P001	eTravel	FedTraveler.com	Interface with ICFS (real-time)
	P190	GFITS	Government Financial Information Tracking System	Interface with ICFS
	F24D	REMS	Real Estate Management System	Interface with ICFS
2009	A21	LAS	Loan Accounting System	Interface with ICFS
	A39	Hyperion	HUD's Consolidated Financial Statement System	Replace with ICFS
	Various	Program	Program Systems, e.g., IDIS, TRACS, Grantium	Interface with ICFS
	A43	SFIS	Single Family Insurance System	Replace interface to FDM with FHA ICFS to FDM interface
	P013	FHA-SL	FHA Subsidiary Ledger	Integrate with ICFS @ COE
	B16	Ginnie Mae SL	Ginnie Mae Subsidiary Ledger (PeopleSoft)	Interface with ICFS for financial statements
	OFHEO	FIMS	Financial Information & Management System	Interface with ICFS for financial statements
2010	A35	HPS	HUD Procurement System	Replace with new procurement system & new real-time interface with ICFS
	P035	SPS	Small Purchase System	Replace with new procurement system & new real-time interface with ICFS
	D21	DARTS	Departmental Accounts Receivable and Collections Tracking System	Replace with ICFS
	D61	EZB	EZBudget Budget Formulation System	Integrate with ICFS
	D65A	BOSS	Section 8 Budget Outlay Support System	Integrate with ICFS

Fiscal Year	System ID	System Short Name	System Title	Notes & Comments
	H18	IATS	Integrated Automated Travel System	Interface with ICFS (automated)
	B16	Ginnie Mae SL	Ginnie Mae Subsidiary Ledger (PeopleSoft)	Integrate with ICFS @ COE
2011	UNK	ICFS	Integrated Core Financial System	Upgrade to Oracle Fusion @ COE
2012	P162	HIHRTS	HUD Integrated Human Resources and Training System	Enhanced interface with ICFS
	A75R	FDM	Financial Data Mart	Replace with Financial Data Warehouse
	A91	CCFF	Consolidated Cost & FTE Files	Integrate with ICFS or HIHRTS
	D091	CAPS	OCFO WebFocus Corrective Action Plan Reports System	Integrate with ICFS or HIHRTS
	D91A	REAP/TEAM	Resource Estimation Allocation Process/Total Estimation & Allocation Mechanism	Interface with new Financial Data Warehouse
	P113	PIH	PIH Information Center System	Interface with new Financial Data Warehouse
	OFHEO	FIMS	Financial Information & Management System	Integrate with ICFS @ COE
	OCIO	TIBEC	Technology Investment Board Portfolio	Interface with new Financial Data Warehouse
2013	UNK	ICFS	Integrated Core Financial System	Implement/integrate customer relationship management system/ tools
	UNK	ICFS	Integrated Core Financial System	Implement/integrate decision support system/ tools
	UNK	ICFS	Integrated Core Financial System	Implement/integrate performance management system/ tools

Table 6-4 summarizes the interfaces to be addressed by FY. A discussion by FY follows Table 6-4.

Table 6-4. Interfaces Affected by Fiscal Year

Fiscal Year	From System ID	From System Short Name	From System Title	To System ID	To System Short Name	To System Title	Notes & Comments
2006	A51	FAADS	Federal Assistance Award Data System	External	Census FAADS	Census Federal Assistance Award Data System	Replace with FDM to Census FAADS interface
	A43	SFIS	Single Family Insurance	A51	FAADS	Federal Assistance Award Data System	Replace with SFIS to FDM interface
	A67	LOCCS	Line of Credit Control System	A51	FAADS	Federal Assistance Award Data System	Replace with LOCCS to FDM interface
	P013	FHA-SL	FHA Subsidiary Ledger	A51	FAADS	Federal Assistance Award Data System	Replace with FHA-SL to FDM interface
	A75	HUDCAPS	HUD Central Accounting & Program System	A75R	FDM	Financial Data Mart	Add HUDCAPS program data to FDM to support FAADS reporting
	A65A	SAVE	Section 235 Automated Validation & Editing	A67	LOCCS	Line of Credit Control System	Eliminate – SAVE becomes part of LOCCS
	A65A	SAVE	Section 235 Automated Validation & Editing	A75	HUDCAPS	HUD Central Accounting & Program System	Replace with LOCCS to PAS to HUDCAPS interface
	D08	Bonds	Bond Payment	D08	LOCCS	Line of Credit Control System	Eliminate – Bonds becomes part of LOCCS
	D08	Bonds	Bond Payment	A75	HUDCAPS	HUD Central Accounting & Program System	Replace with LOCCS to PAS to HUDCAPS interface
	D67A	FIRMS	Facilities Integrated Resources Management System	A75	HUDCAPS	HUD Central Accounting & Program System	Automate interface from FIRMS to HUDCAPS
	P001	HTMS	HUD Travel Management System	A75	HUDCAPS	HUD Central Accounting & Program System	Replace with FedTraveler.com real-time interface with HUDCAPS
2007	P190	GFITS	Government Financial Information Tracking System	A75	HUDCAPS	HUD Central Accounting & Program System	Automate interface to HUDCAPS
	B16	MASS	Macola Accounting System Software	A39	Hyperion	HUD's Consolidated Financial Statement System	Replace with Ginnie Mae PeopleSoft to Hyperion interface for financial statement data

Fiscal Year	From System ID	From System Short Name	From System Title	To System ID	To System Short Name	To System Title	Notes & Comments
2008	D67A	FIRMS	Facilities Integrated Resources Management System	A75	HUDCAPS	HUD Central Accounting & Program System	Replace with Interface to ICFS
	A35	HPS	HUD Procurement System	A75	HUDCAPS	HUD Central Accounting & Program System	Replace with Interface to ICFS (real-time)
	P162	HIHRTS	HUD Integrated Human Resources and Training System	A75	HUDCAPS	HUD Central Accounting & Program System	Replace with Interface to ICFS
	P162	HIHRTS	HUD Integrated Human Resources and Training System	A75I	PSCRS	Personal Services Cost Reporting Subsystem	Eliminate – not needed with new payroll interface to ICFS
	P035	SPS	Small Purchase System	A75	HUDCAPS	HUD Central Accounting & Program System	Replace with Interface to ICFS (real-time)
	A75R	FDM	Financial Data Mart	A39	Hyperion	HUD's Consolidated Financial Statement System	Replace with Interface from ICFS to Hyperion
	A67	LOCCS	Line of Credit Control System	A96	PAS	Program Accounting System	Replace with interface to ICFS
	A75	HUDCAPS	HUD Central Accounting & Program System	A35	HPS	HUD Procurement System	Replace with interface from ICFS to HPS (real-time)
	A75	HUDCAPS	HUD Central Accounting & Program System	A75R	FDM	Financial Data Mart	Replace with interface from ICFS
	A75	HUDCAPS	HUD Central Accounting & Program System	A96	PAS	Program Accounting System	Eliminate – PAS will be integrated with ICFS and/or LOCCS
	A75	HUDCAPS	HUD Central Accounting & Program System	P035	SPS	Small Purchase System	Replace with interface from ICFS to SPS (real-time)
	A75	HUDCAPS	HUD Central Accounting & Program System	External	Treasury	Treasury Disbursing System	Replace with interface from ICFS to Treasury
	A75I	PSCRS	Personal Services Cost Reporting Subsystem	A67	LOCCS	Line of Credit Control System	Replace with interface from ICFS to LOCCS
	A75I	PSCRS	Personal Services Cost Reporting Subsystem	A75	HUDCAPS	HUD Central Accounting & Program System	Replace with interface from NFC to ICFS
	A75I	PSCRS	Personal Services Cost Reporting Subsystem	A91	CCFF	Consolidated Cost & FTE Files	Replace with interface from ICFS to CCFF

Fiscal Year	From System ID	From System Short Name	From System Title	To System ID	To System Short Name	To System Title	Notes & Comments
	A75I	PSCRS	Personal Services Cost Reporting Subsystem	D091	CAPS	OCFO WebFocus Corrective Action Plan Reports System	Replace with interface from ICFS to CAPS
	A96	PAS	Program Accounting System	A67	LOCCS	Line of Credit Control System	Eliminate – PAS will be integrated with ICFS and/or LOCCS
	A96	PAS	Program Accounting System	A75	HUDCAPS	HUD Central Accounting & Program System	Eliminate – PAS will be integrated with ICFS and/or LOCCS
	A96	PAS	Program Accounting System	A75R	FDM	Financial Data Mart	Eliminate – PAS will be integrated with ICFS and/or LOCCS
	A96	PAS	Program Accounting System	D65A	BOSS	Section 8 Budget Outlay Support System	Replace with interface from either ICFS or LOCCS
	A96	PAS	Program Accounting System	F24D	REMS	Real Estate Management System	Replace with interface from either ICFS or LOCCS
	A96	PAS	Program Accounting System	F87	TRACS	Tenant Rental Assistance Certification System	Replace with interface from either ICFS or LOCCS
	D21	DARTS	Departmental Accounts Receivable and Collections Tracking System	A75	HUDCAPS	HUD Central Accounting & Program System	Replace with interface with ICFS (manual)
	External	Bankcard	Chase Bank Bankcard System	A75	HUDCAPS	HUD Central Accounting & Program System	Replace with interface to ICFS
	External	CCR	Central Contractor Registry	A75R	FDM	Financial Data Mart	Add interface from CCR to ICFS
	External	NFC	NFC Payroll System	A75I	PSCRS	Personnel Services Cost Reporting Subsystem	Replace with interface to ICFS
	External	SATO	Scheduled Airline Traffic Office System	A75	HUDCAPS	HUD Central Accounting & Program System	Replace with interface to ICFS
	External	Treasury	Treasury Disbursing & Collections System(s)	A75	HUDCAPS	HUD Central Accounting & Program System	Replace with interface to ICFS
	F87	ARAMS/ TRACS	Automated Renewal and Amendment Management Subsystem/ Tenant Rental Assistance Certification System	A96	PAS	Program Accounting System	Replace with interface to either ICFS or LOCCS
	H18	IATS	Integrated Automated Travel System	A75	HUDCAPS	HUD Central Accounting & Program System	Replace with interface with ICFS (manual)

Fiscal Year	From System ID	From System Short Name	From System Title	To System ID	To System Short Name	To System Title	Notes & Comments
	P001	eTravel	FedTraveler.com	A75	HUDCAPS	HUD Central Accounting & Program System	Replace with interface to ICFS (real-time)
	P190	GFITS	Government Financial Information Tracking System	A75	HUDCAPS	HUD Central Accounting & Program System	Replace with interface to ICFS
2009	A21	LAS	Loan Accounting System	A67	LOCCS	Line of Credit Control System	Revise existing interface to reflect changes to LAS and LOCCS functionality
	A21	LAS	Loan Accounting System	TBD	ICFS	Integrated Core Financial System	New interface from LAS to ICFS
	A67	LOCCS	Line of Credit Control System	A21	LAS	Loan Accounting System	Revise existing interface to reflect changes to LAS and LOCCS functionality
	A67	LOCCS	Line of Credit Control System	C04	IDIS	CPD Integrated Disbursement & Information System	Revise or replace with interface to Program System(s)
	A67	LOCCS	Line of Credit Control System	External	Treasury	Treasury Disbursing & Collections System(s)	Eliminate – disbursements will go through ICFS to Treasury
	A39	Hyperion	HUD's Consolidated Financial Statement System	External	Treasury GOALSII	Treasury Financial Reporting System - Government Online Accounting Link System	Replace with interface from ICFS
	Various	Program	Program Systems, e.g., IDIS, TRACS, Grantium	TBD	ICFS	Integrated Core Financial System	New interface(s) with ICFS for disbursements, financial information.
	A43	SFIS	Single Family Insurance System	A75R	FDM	Financial Data Mart	Replace interface to FDM with FHA ICFS to FDM interface
	A75R	FDM	Financial Data Mart	P013	FHA-SL	FHA Subsidiary Ledger	Eliminate – not needed when FHA integrates with ICFS
	A75R	FDM	Financial Data Mart	F87	TRACS	Tenant Rental Assistance Certification System	Revise or replace with interface to Program System(s).
	C04	IDIS	CPD Integrated Disbursement Information System	A67	LOCCS	Line of Credit Control System	Revise or replace with interface to Program System(s). Add new interface directly to ICFS for disbursements.

Fiscal Year	From System ID	From System Short Name	From System Title	To System ID	To System Short Name	To System Title	Notes & Comments
	External	Treasury	Treasury Disbursing and Collections System	A67	LOCCS	Line of Credit Control System	Eliminate – interface will be from Treasury to ICFS since payments and collections will go through ICFS.
	F87	TRACS	Tenant Rental Assistance Certification System	A67	LOCCS	Line of Credit Control System	Revise or replace interface. Disbursements will go through ICFS. Interface with Program System(s) may replace or change remaining portion of existing interface.
	P013	FHA-SL	FHA Subsidiary Ledger	A39	Hyperion	HUD's Consolidated Financial Statement System	Eliminate interface – FHA will integrate with ICFS @ COE
	B16	Ginnie Mae SL	Ginnie Mae Subsidiary Ledger (PeopleSoft)	A39	Hyperion	HUD's Consolidated Financial Statement System	Replace with interface to ICFS for financial statements
	OFHEO	FIMS	Financial Information & Management System	A39	Hyperion	HUD's Consolidated Financial Statement System	Replace with interface to ICFS for financial statements
2010	A35	HPS	HUD Procurement System	A75	HUDCAPS	HUD Central Accounting and Program System	Replace with real-time interface from the new procurement system to ICFS
	A35	HPS	HUD Procurement System	A75R	FDM	Financial Data Mart	Replace with real-time interface from the new procurement system to FDM or ICFS (CCR data)
	A75	HUDCAPS	HUD Central Accounting and Program System	A35	HPS	HUD Procurement System	Replace with real-time interface to the new procurement system
	A75	HUDCAPS	HUD Central Accounting and Program System	P035	SPS	Small Purchase System	Replace with real-time interface to the new procurement system
	A75R	FDM	Financial Data Mart	A35	HPS	HUD Procurement System	Replace with real-time interface to the new procurement system to FDM or ICFS (CCR data)
	A75R	FDM	Financial Data Mart	P035	SPS	Small Purchase System	Replace with real-time interface to the new procurement system to FDM or ICFS (CCR data)

Fiscal Year	From System ID	From System Short Name	From System Title	To System ID	To System Short Name	To System Title	Notes & Comments
	A75R	FDM	Financial Data Mart	D65A	BOSS	Section 8 Budget Outlay Support System	Eliminate – if BOSS and EZBudget functionality integrated with ICFS, ICFS can provide data
	P035	SPS	Small Purchase System	A75R	FDM	Financial Data Mart	Replace with real-time interface from the new procurement system to FDM or ICFS (CCR data)
	P035	SPS	Small Purchase System	A75	HUDCAPS	HUD Central Accounting and Program System	Replace with real-time interface from the new procurement system to ICFS
	D21	DARTS	Departmental Accounts Receivable and Collections Tracking System	A75	HUDCAPS	HUD Central Accounting and Program System	Eliminate – DARTS will be integrated with ICFS
	D21	DARTS	Departmental Accounts Receivable and Collections Tracking System	F24D	REMS	Real Estate Management System	Replace with interface from ICFS to REMS
	D61	EZB	EZBudget Budget Formulation System	External	OMB	OMB Budget System	Replace with interface from ICFS to OMB
	External	CCR	Central Contractor Registry	A75R	FDM	Financial Data Mart	Replace with new interface from CCR to Financial Data Warehouse or ICFS
	External	Lockbox	Mellon Bank Lockbox	D21	DARTS	Departmental Accounts Receivable and Collections Tracking System	Replace with interface from Lockbox to ICFS
	External	OMB	OMB Budget System	TBD	ICFS	Integrated Core Financial System	Replace manual input with automated interface from OMB to ICFS for budget data
	H18	IATS	Integrated Automated Travel System	TBD	ICFS	Integrated Core Financial System	Replace manual interface to ICFS with automated interface
	B16	Ginnie Mae SL	Ginnie Mae Subsidiary Ledger (PeopleSoft)	TBD	ICFS	Integrated Core Financial System	Eliminate – not needed when Ginnie Mae integrates with ICFS @ COE
2011	UNK	ICFS	Integrated Core Financial System	UNK	ICFS	Integrated Core Financial System	Upgrade to Oracle Fusion @ COE

Fiscal Year	From System ID	From System Short Name	From System Title	To System ID	To System Short Name	To System Title	Notes & Comments
2012	A21	LAS	Loan Accounting System	A75R	FDM	Financial Data Mart	Replace with interface to new Financial Data Warehouse
	P162	HIHRTS	HUD Integrated Human Resources and Training System	TBD	ICFS	Integrated Core Financial System	Enhance interface with ICFS
	A75R	FDM	Financial Data Mart	P113	PIC	PIH Information Center System	Replace with interface from new Financial Data Warehouse
	A75R	FDM	Financial Data Mart	D91A	REAP/TEAM	Resource Estimation Allocation Process/Total Estimation & Allocation Mechanism	Replace with interface from new Financial Data Warehouse
	TBD	ICFS	Integrated Core Financial System	A91	CCFF	Consolidated Cost & FTE Files	Eliminate - Integrate CCFF with ICFS or HIHRTS
	D091	CAPS	OCFO WebFocus Corrective Action Plan Reports System	TBD	ICFS	Integrated Core Financial System	Eliminate - Integrate CAPS with ICFS or HIHRTS
	OFHEO	FIMS	Financial Information & Management System	TBD	ICFS	Integrated Core Financial System	Eliminate – not needed when OFHEO Integrates with ICFS @ COE
	OCIO	TIBEC	Technology Investment Board Portfolio	A75R	FDM	Financial Data Mart	Replace with interface to new Financial Data Warehouse
2013	UNK	ICFS	Integrated Core Financial System	TBD	TBD		Implement/integrate customer relationship management system/ tools
	UNK	ICFS	Integrated Core Financial System	TBD	TBD		Implement/integrate decision support system/ tools
	UNK	ICFS	Integrated Core Financial System	TBD	TBD		Implement/integrate performance management system/ tools

This section describes the proposed financial systems environment as HUD moves from the current environment and financial systems and processes described in Chapter 4 to the desired financial management vision described in the *HIFMIP Roadmap*. Because HIFMIP is a multi-year initiative affecting at least 34 financial and mixed systems and 71 or more interfaces, the financial systems environment will change many times over the course of the next eight years. The remainder of this chapter lays out the changes by fiscal year, combining the stages and implementation components of HIFMIP Phases II, III and IV.

This chapter also provides an overview of the ICFS systems architecture beginning with FY 2008 when ICFS is initially implemented. The system architecture information is included within each relevant fiscal year in the sections that follow.

Given the duration and complexity of the project—eight or more years—the further into the future, the less certain the schedule and proposed changes. The changes described for the next several fiscal years are more detailed and more likely to occur as planned than are the changes described for FY 2012 and later. For example, program systems are realigning and modernizing by lines of business, and in HIFMIP Phase III, the ICFS will realign with them for operational efficiency.

Figure 6-1 illustrates the transition from the current financial systems environment in FY 2005 to the end state targeted for FY 2013. In all the diagrams in this chapter, the size of the systems on the diagram does not reflect their importance or the amount of data contained in the system; sizing has been adjusted to provide the clearest possible flow diagram. The following guidelines have been used to represent the systems and relationships included:

- HUD systems are illustrated using rectangles.
- Manual interfaces are indicated through the use of dashed lines.
- Automated interfaces are indicated through the use of solid lines.
- External systems providing interfaces to or from core financial systems are included on this systems flow diagram. The external entities are identified through the use of shaded, non-rectangular parallelograms.

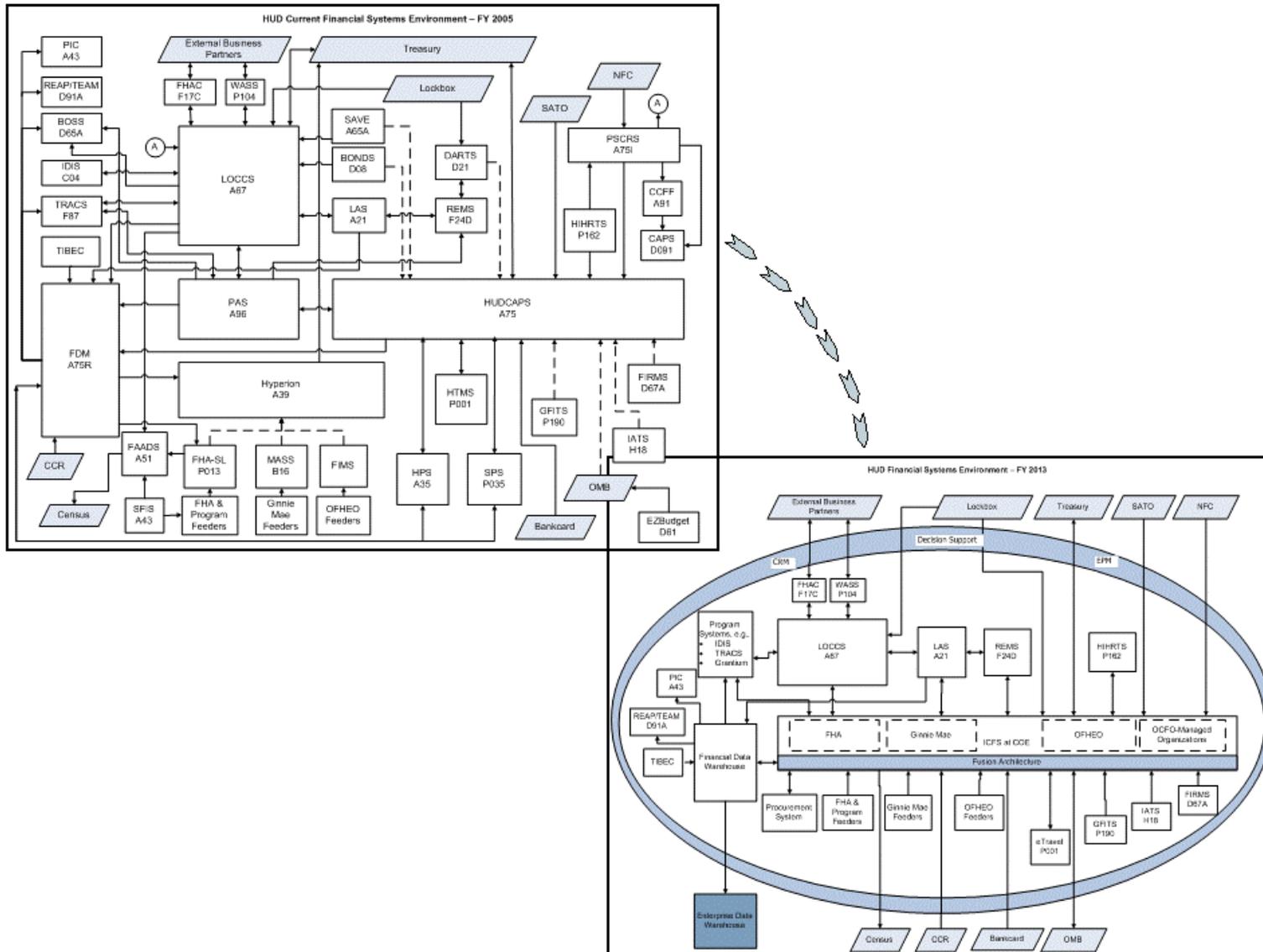


Figure 6-1. Financial Systems Environment Transition from Current to End State

The migration diagram depicted in Figure 6-1 provides an overview of the changes that can be expected during the HIFMIP life cycle. The number of systems included within the HIFMIP financial systems environment is reduced from the current 34 systems (shown in the upper left hand box of the figure) to 19 systems in 2013 (shown within the oval in the box at the bottom right of the figure). There will be a concurrent reduction from 71 interfaces in the current environment to 44 interfaces in FY 2013.

In addition to the reduction in total systems maintained, the end state HIFMIP vision depicted at the bottom right of Figure 6-1 shows fully integrated program, financial and performance information across all of HUD. This is represented by the systems included inside the oval in the bottom portion of the diagram. The end state portion of the diagram also shows the fully integrated set of financial and program applications supported by enterprise applications and support tools such as DSS, CRM and EPM. These tools are depicted as the shaded oval around the financial and mixed systems. Additionally, an enterprise data warehouse is planned for the HIFMIP end state as shown by the shaded rectangle in the lower left hand corner of the bottom diagram.

6.1 Fiscal Year 2006

FY 2006 will be a year of preparation for the major portions of the HIFMIP initiative; however, some changes to the current financial systems environment will occur. These changes that affect or relate to HIFMIP include the following:

- The Financial Data Mart (A75R) will assume FAADS reporting to the Bureau of the Census. This means that HUD's separate internal reporting system—FAADS (A51)— can be retired in FY 2006.
- LOCCS (A67) will assume the voucher processing and related functions currently handled by SAVE (A65A) and Bonds (D08). This means that SAVE and Bonds can be retired in FY 2006.
- A new travel system, FedTraveler.com (eTravel), will be implemented throughout the Department. eTravel will replace the existing HTMS in FY 2006.
- The interface from FIRMS (D67A) to HUDCAPS (A75) will be automated.

Figure 6-2 illustrates the planned financial systems environment at the end of FY 2006.

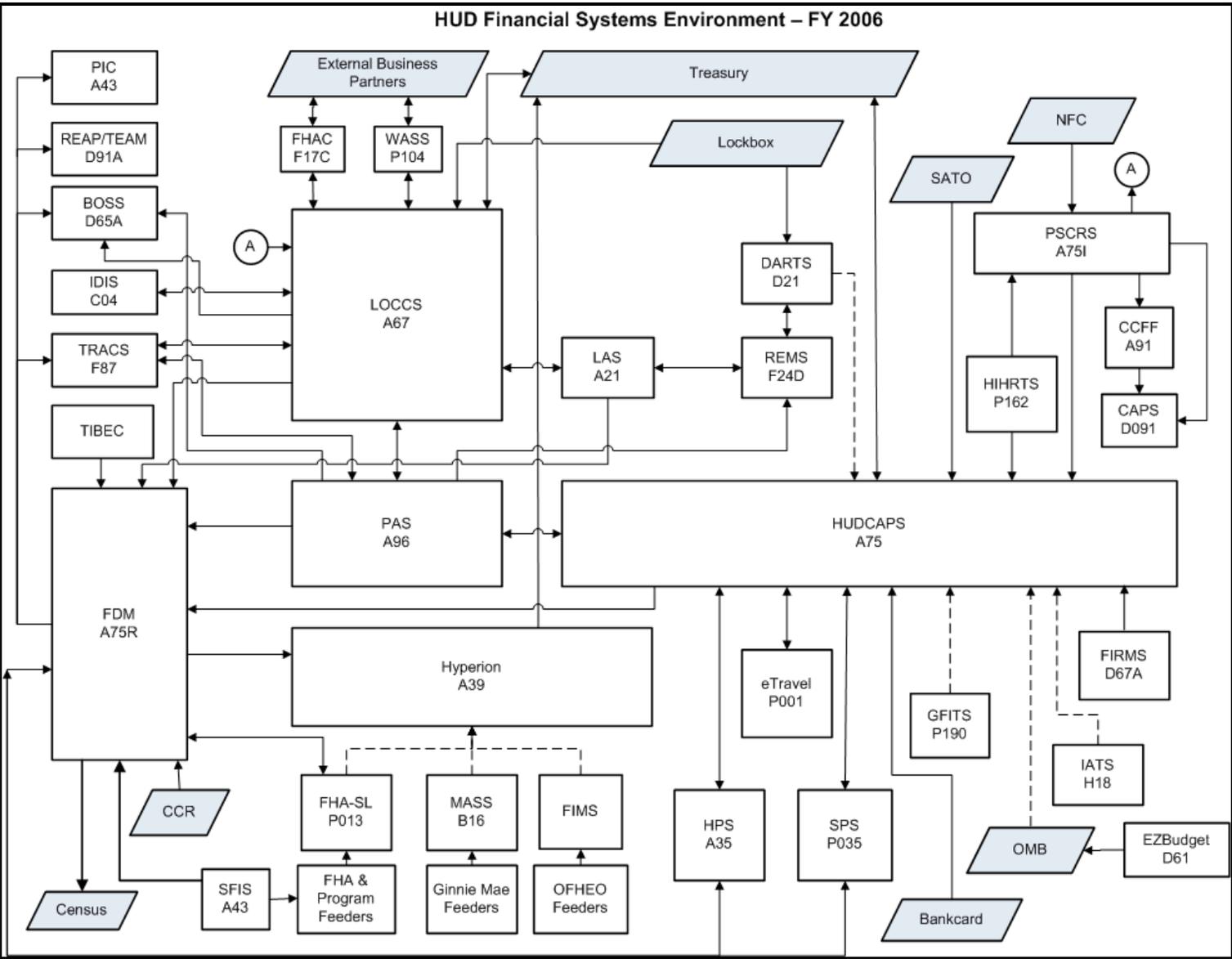


Figure 6-2. FY 2006 Planned Financial Systems Environment

6.2 Fiscal Year 2007

FY 2007 continues the preparation for ICFS implementation for the OCFO-Managed Organizations. Ginnie Mae plans to implement its new core financial system, based on PeopleSoft, in FY 2007 as well. Other changes to the current financial systems environment will occur, including the following:

- Ginnie Mae's current general ledger system—MASS (B16)—will be retired with the implementation of the new PeopleSoft general ledger.
- The Section 8 Housing Subsidy functions currently supported by HUDCAPS will be migrated from HUDCAPS to other program systems, e.g., Grantium, IDIS, that will support these program functions under the HIFMIP plan.
- The interface from GFITS (P190) to HUDCAPS (A75) will be automated.

Figure 6-3 illustrates the planned financial systems environment at the end of FY 2007.

6.3 Fiscal Year 2008

Initial implementation of ICFS is scheduled for FY 2008. ICFS will be based on PeopleSoft COTS software and will be implemented at a COE, initially for HUD's OCFO-Managed Organizations. PeopleSoft is intended to function as the core financial system for all of HUD by the end of the HIFMIP initiative, as described later in this chapter. Figure 6-4 illustrates the planned systems architecture for ICFS in its initial year of implementation.

Under the initial ICFS systems architecture depicted in Figure 6-4, there will be four separate core financial systems, one for each of HUD's four major business areas. Each of the four business areas will complete its own system modernization efforts, with HUD-wide integration to occur later in the HIFMIP life cycle. All four business areas will, however, standardize systems, processes and procedures to prepare for future financial systems integration at the same COE. By this time (FY 2008), FHA and Ginnie Mae will have already implemented their own independent versions of PeopleSoft, and OFHEO will be operating Oracle's financial system.

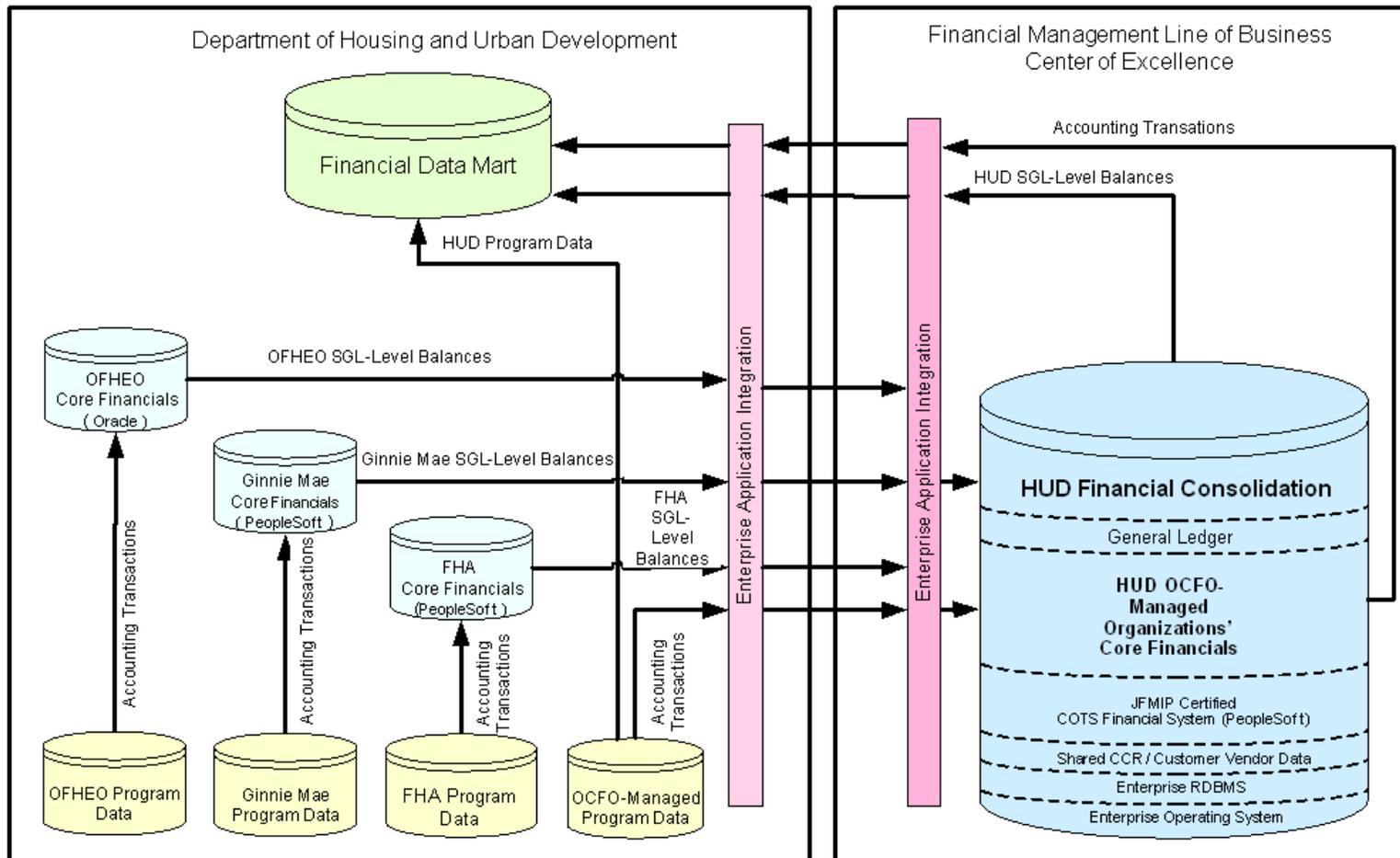


Figure 6-4. FY 2008 Planned ICFS Systems Architecture

Many changes will occur during this fiscal year as a result of the new core financial system implementation for HUD OCFO-Managed Organizations. These changes include the following:

- With the implementation of ICFS, HUDCAPS (A75) and PAS (A96) will be retired. HUD's desired goal is for ICFS to replace HUDCAPS and PAS; however, the final disposition of PAS will depend upon available ICFS functionality. Some functions may be integrated into other systems such as LOCCS (A67) if ICFS does not have all the functionality needed.
- The payroll interface with NFC will be redesigned to interface directly from NFC to ICFS. Therefore, PSCRS (A75I) will be retired.
- Existing interfaces with HUDCAPS and PAS will need to be redesigned, revised, or modified to work with ICFS. These interfaces include:
 - Interfaces with external entities will be revised: Bankcard vendor (currently Chase), SATO and Treasury.
 - CCR interface will either come directly from CCR to ICFS or from FDM (A75R) to ICFS, depending on whether the ICFS design goes directly online to CCR or not.
 - With the redesign of the payroll interface, interfaces to CCFF (A91) and CAPS (D091) will be revised, and the interface from HIRTS (P162) to PSCRS will be eliminated.
 - Real-time interfaces with the procurement systems—HPS (A35) and SPS (P035)—will be replaced with real-time, two-way interfaces with ICFS.
 - Automated reports information to the FDM (A75R), Hyperion (A39) and BOSS (D65A) will be generated from ICFS.
 - The real-time interface with eTravel will be redesigned.
 - Interfaces with program and subsidiary financial systems will be revised: FIRMS (D67A); LOCCS; REMS (F24D); TRACS (F87) and GFITS (P190).
 - Manual interfaces from IATS (H18) and DARTS (D21) will support ICFS entry.

Figure 6-5 illustrates the planned financial systems environment at the end of FY 2008. A more detailed discussion of the systems impact follows the figure.

Detailed preparation for initial ICFS implementation will begin during FY 2006 at the start of HIFMIP Phase II. ICFS implementation for OCFO-Managed Organizations is scheduled for the beginning of FY 2008. The implementation of ICFS will provide an end-to-end integrated financial system that includes functions such as General Ledger, Accounts Payable, Accounts Receivable, Budget Execution (Funds Control), Asset Management, Cost Management, Reporting, Procurement Processing, and Expenditure Tracking for the OCFO-Managed Organizations.

ICFS implementation at the start of FY 2008 will include the following initiatives:

- Core Financial Management System Configuration, Testing and Implementation for the following:
 - General Ledger,
 - Accounts Payable,
 - Accounts Receivable,
 - Procurement,
 - Budget Execution,
 - Cash Management,
 - Cost Accounting,
 - Funds Control, and
 - Financial Reporting.
- Workflow Automation, Business Process Re-engineering and Workforce Realignment and Training; and
- Interface Development, including interfaces in the following areas:
 - Procurement,
 - Bankcard,
 - Travel and Transportation,
 - CCR,
 - Payroll, and
 - Programmatic and Subsidiary Systems.

The primary focus for FY 2008 will be the implementation of the PeopleSoft COTS software to be used as the basis for ICFS. This will entail the development of interfaces to or from ICFS with existing systems that currently interface to HUDCAPS (A75) and PAS (A96).

Stage II-1 provides for the initial implementation of ICFS. ICFS implementation entails a combination of replacing some existing systems, changing other systems, and developing interfaces with those systems that currently interface with HUDCAPS or PAS. This section is sub-divided into a discussion of changes to existing systems, incoming interfaces and outgoing interfaces.

6.3.1 FY 2008 Changes to Systems

Systems affected during this stage include the following:

- HUDCAPS,

- PAS, and
- PSCRS.

ICFS will replace HUDCAPS and provide core financial functions for HUD OCFO-Managed Programs. Prior to ICFS implementation, functionality to support Section 8 Housing Subsidies must be migrated from HUDCAPS. A modification was made to HUDCAPS to support these functions, but HUD has decided not to carry that modification forward into ICFS since ICFS will support financial, not programmatic, functions. The actions required to transition this function from HUDCAPS are addressed in the *HIFMIP Roadmap*.

Additionally during this stage, PAS functions will be migrated to ICFS so that PAS will be retired as part of the ICFS implementation. An assessment of ICFS software capabilities to support PAS functionality will play a key role in the final decision as to where these functions will be supported in the future. This issue is addressed in the *HIFMIP Roadmap*; the LSDP has been prepared assuming that the PAS functionality will be supported in ICFS as HUD desires.

PSCRS will be replaced through implementation of a new payroll interface between NFC payroll and ICFS.

6.3.2 FY 2008 Incoming Interfaces

Interfaces that currently provide data to either HUDCAPS or PAS will need to be redesigned during Stage II-1. The following interfaces will provide data to ICFS:

- External Interfaces:
 - Bankcard,
 - SATO,
 - Treasury,
 - CCR, and
 - NFC.
- HUD Systems (automated):
 - eTravel,
 - HIHRTS,
 - HPS,
 - SPS,
 - FIRMS,
 - LOCCS, and
 - TRACS.
- HUD Systems (manual):
 - DARTS and
 - IATS.

A discussion of these interfaces follows.

6.3.2.1 External Interfaces

Most of the incoming interfaces from external entities—Bankcard, SATO and Treasury—should require less overall analysis and development. There are no anticipated changes to the feeder systems themselves and no identified changes to the input file formats. Interfaces from these systems to ICFS will need to be developed using the existing standard inputs provided from these external sources.

The CCR interface will require more detailed analysis to determine the interface flow for the initial ICFS implementation. Currently OFFM-certified COTS applications are required to capture and maintain CCR data elements to facilitate up-to-date vendor information. Therefore, HUD may be able to use the CCR capabilities of its new COTS to support this function and eliminate the interface from CCR to the FDM; however, the CCR to FDM interface is unlikely to be eliminated with the initial ICFS implementation. If ICFS supports review and approval of the vendor and banking information prior to updating vendor and banking files, an interface from CCR directly to ICFS can be included. The CCR to FDM interface will be maintained to provide views of the CCR data to other HUD organizations and systems that currently receive information from the FDM, e.g., HPS, SPS, FHA-SL and LOCCS.

Therefore, in the initial environment for ICFS implementation, there will be either the existing interface from CCR to the FDM only, with a new feed from the FDM to ICFS (instead of the existing feed from the FDM to HUDCAPS), or there will be two interfaces from the CCR: one to the FDM (same as current environment) and one to ICFS.

The payroll interface will need to be redesigned to provide a direct input from NFC to ICFS. This will eliminate the need for PSCRS. This interface redesign will require careful analysis to ensure existing requirements are met while the systems interface is streamlined. The NFC interface will likely require the most analysis and development of all the external interfaces given the complexity of the existing payroll interface, including the entire subsystem developed to support the interface with HUDCAPS, PSCRS. Since a number of Federal agencies use NFC for payroll processing, it may be possible to leverage NFC to PeopleSoft interface development from other Federal clients to expedite the process.

6.3.2.2 HUD Systems (Automated)

A number of automated interfaces from existing HUD systems to HUDCAPS and/or PAS will need to be redesigned to provide information to ICFS. The goal for the redesign of these interfaces at this stage of the HIFMIP life cycle should be to use the existing input files/feeds and develop interfaces to/from ICFS without significant modifications to the feeder systems. This will allow ICFS to obtain the needed information with a minimal amount of disruption and effort to other offices and organizations such as OCPO

The affected interfaces in this category include eTravel, HPS, SPS, HIHRTS and FIRMS.

The exact nature and specific data flows for the interface from LOCCS will depend upon the final disposition of the PAS functions. Since PAS currently interfaces with both LOCCS and HUDCAPS, an interface will need to exist between LOCCS and ICFS regardless of where the PAS functions finally reside.

TRACS currently provides information to PAS. The interface from TRACS will need to be directed to either ICFS or LOCCS, depending on the final disposition of PAS functions.

6.3.2.3 *HUD Systems (Manual)*

Both DARTS and IATS currently have manual interfaces to HUDCAPS. These manual interfaces are expected to continue as manual inputs to ICFS in the first year of implementation. Procedures for how and when to enter DARTS and IATS information will need to be developed. Minimal impact on DARTS or IATS is anticipated from ICFS implementation.

6.3.3 **FY 2008 Outgoing Interfaces**

The following interfaces from ICFS will need to be developed:

- External Interfaces—Treasury.
- HUD Systems (automated):
 - CCFF,
 - CAPS,
 - HPS,
 - SPS,
 - Financial Data Mart,
 - Hyperion,
 - BOSS,
 - LOCCS,
 - REMS, and
 - TRACS.

A discussion of these interfaces follows.

6.3.3.1 *External Interfaces*

The only outgoing external interface to be included in the initial ICFS implementation is Treasury disbursing. Disbursement requests will need to be sent to Treasury from ICFS. This is a mandatory OFFM requirement, so the capability to produce disbursement files from ICFS will be present in the selected COTS software package. Therefore, the primary work is anticipated to be software configuration and testing, rather than interface development.

6.3.3.2 *HUD Systems (Automated)*

A number of automated interfaces from HUDCAPS and PAS will need to be redesigned to provide the same information from ICFS. The goal for the redesign of these interfaces at this stage of the HIFMIP life cycle should be to provide the required files/feeds from ICFS without requiring modifications to the receiving systems. This will keep the disruption of other offices and their systems to a minimum.

The affected interfaces in this category include HPS, SPS, FDM, BOSS, REMS and TRACS. Interfaces will also be required to CAPS, CCFF, Hyperion and LOCCS. These four outgoing interfaces are discussed in more detail in the following paragraphs.

CCFF & CAPS

Currently, PSCRS provides information to CCFF and CAPS that is used by HUD managers. After the NFC payroll interface is redesigned to provide information directly from NFC to ICFS, ICFS will need to provide the required information to CCFF and CAPS. This will require new interfaces to be developed. The information provided should be the same as the information currently sent from PSCRS to CCFF and CAPS.

Hyperion

A new interface will need to be developed from ICFS to Hyperion to provide financial data to support Treasury's external financial reporting requirements for Stage II-1. Currently, HUDCAPS provides this information to the FDM, where additional data elements are added, and the information is then passed to Hyperion. Once ICFS is implemented for OCFO, the FDM pass-through should be eliminated as the COTS software should support production of the necessary financial statement information.

During FY 2008, the other HUD business areas will still be providing financial statement information to Hyperion. Therefore, ICFS should do the same in order to facilitate consolidation and consistent Treasury reporting. Treasury reporting directly from ICFS is scheduled for implementation in FY 2009. At that time, the use of Hyperion can be discontinued.

LOCCS

A new interface from ICFS to LOCCS will need to be developed. At a minimum, this interface will provide LOCCS with the information currently received from PAS; however, a higher degree of integration or information exchange may be included in the ICFS to LOCCS interface. The exact nature of the interface and its specific data flows will depend upon the final disposition of the PAS functions.

6.4 Fiscal Year 2009

Integration of FHA with ICFS at the COE is scheduled for FY 2009. FHA is already using a version of PeopleSoft (currently version 8.8). In order to integrate with ICFS at the COE and prepare for the later upgrade to Oracle's Fusion architecture, FHA should be using PeopleSoft version 8.9 or 9.0 – whichever version HUD implements for the OCFO-Managed Organizations. Additionally, any configuration differences or FHA customizations will need to be identified and addressed to facilitate integration. Figure 6-6 illustrates the proposed ICFS system architecture for FY 2009.

FHA Integration at a Center of Excellence
FY 2009

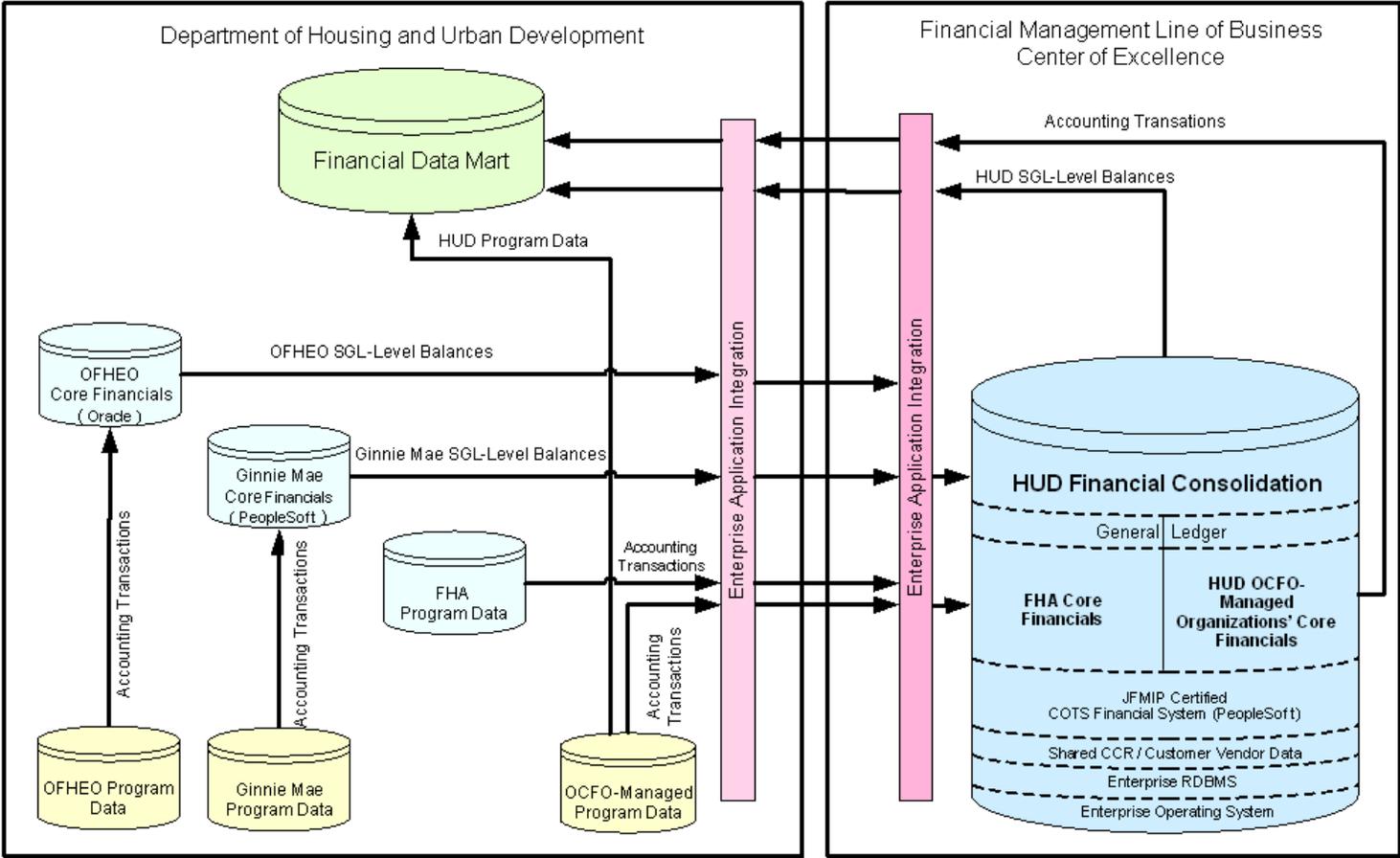


Figure 6-6. FY 2009 Planned ICFS Systems Architecture

Under this architecture, FHA will transition from its independent operation of PeopleSoft to HUD's COE. This transition will allow for the first integration of a HUD business area with ICFS. FHA-SL will be retired following ICFS integration.

Another significant change to occur in FY 2009 will be the use of ICFS to produce the HUD-wide consolidated financial statements. This will result in changes to the flow of information from Ginnie Mae and OFHEO and the retirement of Hyperion (A39).

ICFS will also consolidate all Treasury disbursing for the HUD OCFO-Managed Organizations. This will change the flow of information among program and subsidiary financial systems such as IDIS (C04), TRACS (F87), and LOCCS (A67).

Related changes that will occur during FY 2009 include the following:

- With the integration of FHA-SL (P013) into ICFS at the COE, all FHA Program and Feeder Systems will interface directly with ICFS.
- With the retirement of Hyperion, Ginnie Mae and OFHEO will need to provide general ledger balances and supporting financial statement information directly to ICFS, preferably via an automated interface rather than the Excel spreadsheets currently used to support Hyperion.
- The consolidation of Treasury disbursing functions in ICFS will result in new interfaces and/or changes to the information provided via the following interfaces:
 - LOCCS (A67) and ICFS;
 - LAS (A21) and ICFS;
 - LAS and LOCCS;
 - Program Systems (e.g., IDIS, TRACS, Grantium) and ICFS; and
 - Program Systems and LOCCS.
- Development or enhancement of interfaces between program systems and ICFS in addition to the changes in disbursing functions already described include the following:
 - LAS and ICFS and
 - Program Systems and ICFS.

Figure 6-7 illustrates the planned financial systems environment at the end of FY 2009. A more detailed discussion of the systems impacts for FY 2009 follows the figure.

HIFMIP initiatives for FY 2009 begin the integration of financial systems throughout HUD with the integration of FHA-SL into ICFS at the COE and the consolidation of disbursing and Treasury reporting functions into ICFS.

This section is sub-divided into a discussion of changes to existing systems, incoming interfaces and outgoing interfaces.

6.4.1 FY 2009 Changes to Systems

Systems affected during FY 2009 include the following:

- FHA-SL
- LOCCS,
- Program Systems, e.g., IDIS, TRACS and Grantium,
- LAS, and
- Hyperion.

6.4.1.1 *FHA-SL*

FHA has already implemented its FHA-SL based on the PeopleSoft COTS as described in Chapter 3. Integration of FHA into ICFS at the COE will be a significant focus for FY 2009. Since FHA is currently operating PeopleSoft 8.8 with its own independent configuration, and the OCFO-Managed Organizations will likely go live with a newer version of PeopleSoft (e.g., version 8.9 or 9.0), FHA will need to upgrade in advance of the integration with ICFS or as part of the integration process. If the upgrade will occur prior to integration with ICFS, it should occur during FY 2007 concurrent with the initial ICFS implementation for the HUD OCFO-Managed Organizations.

FHA-SL as an independent financial system will be eliminated upon integration with ICFS.

6.4.1.2 *LOCCS, LAS and Program Systems*

LOCCS, LAS and various program systems such as IDIS, TRACS and Grantium, will be affected during FY 2009 as HUD prepares to consolidate disbursing functions within ICFS. Additional analysis to be performed during FY 2008 and FY 2009 will identify and assign programmatic functions to the program systems and core financial system functions to ICFS.

Consolidation of disbursing functions into ICFS may require configuration of PeopleSoft, but should not require software enhancements to the COTS package. Many of systems that provide disbursement requests to LOCCS in the current environment will need to send those requests directly to ICFS and receive confirmation from ICFS rather than LOCCS. Or the disbursement requests and confirmations may continue to flow through LOCCS to ICFS and back, depending upon the specific disbursing requirements for each system and program area.

The nature and extent of the revisions required to LOCCS, LAS and the program systems to support the change in disbursing responsibility will need to be determined; however, none of the affected systems will be replaced or retired during this FY. LOCCS itself may also require revision since it currently interfaces directly with Treasury.

6.4.1.3 *Hyperion*

ICFS will contain the capability to produce the consolidated financial statements for submission to Treasury that are currently produced from Hyperion. Therefore, during FY 2009, ICFS will be configured to support direct external reporting to Treasury, and Hyperion will be discontinued.

6.4.2 **FY 2009 Incoming Interfaces**

Interfaces that currently provide data to FHA-SL and Hyperion will need to be redesigned during FY 2009. In addition, interfaces for disbursement requests may need to be revised to support consolidated disbursing through ICFS. The following interfaces providing data to ICFS will be affected:

- External Interfaces—Treasury,
- FHA Program and Feeder Systems,
- HUD Systems (automated):
 - Ginnie Mae PeopleSoft,
 - FIMS (OFHEO),
 - LOCCS,
 - LAS, and
 - Program Systems.

A discussion of these interfaces follows.

6.4.2.1 *Treasury Confirmation*

Since disbursing functions will be consolidated in ICFS, the Treasury confirmation process will also be consolidated in ICFS. Therefore, interfaces from Treasury to LOCCS and separately to FHA-SL will be eliminated.

6.4.2.2 *FHA Program and Feeder Systems*

Interfaces that currently provide data to FHA-SL will continue to provide the information directly to FHA using ICFS at the COE. No changes in incoming information are anticipated, though a review of each interface will need to be performed to determine if configuration changes that occurred to support ICFS integration affect the format or content of the incoming data.

6.4.2.3 *HUD Systems (automated)*

Interfaces to support consolidated financial statement preparation and consolidated disbursing in ICFS will need to be developed.

To support preparation of the consolidated financial statements, Ginnie Mae and OFHEO will need to provide general ledger balances and other financial report supplemental information. Since Ginnie Mae will be using PeopleSoft at this time, and OFHEO is using Oracle, it is likely that these extracts or interfaces will be straightforward to produce and load into ICFS; however, development and testing will need to occur prior to the end of FY 2009.

To support consolidation of the disbursing functions, the following interfaces will need to be developed or revised:

- LOCCS to ICFS;
- LAS to LOCCS or LAS to ICFS;
- Program systems to LOCCS or Program systems to ICFS.

If LOCCS provides detailed program-level edits on disbursements, systems such as LAS and the program systems will send their disbursement requests to LOCCS as they do in the current environment. LOCCS will then send disbursement requests to ICFS for submission to Treasury. If LOCCS does not provide additional edits and validation checks, the disbursement requests can be sent directly from LAS and/or the program systems to ICFS.

6.4.3 FY 2009 Outgoing Interfaces

The following interfaces from ICFS will need to be developed or revised:

- External Interfaces:
 - Treasury disbursing and
 - Treasury financial reporting.
- HUD Systems (automated):
 - FHA Program and Feeder Systems,
 - LOCCS,
 - LAS, and
 - Program Systems.

A discussion of these interfaces follows.

6.4.3.1 *External Interfaces*

Both the disbursing and reporting interfaces with Treasury will be affected in FY 2009.

Disbursement requests will continue to be sent to Treasury from ICFS; however, disbursement requests from LOCCS and FHA-SL will be consolidated under ICFS. Other than possible configuration of ICFS to support the additional disbursements, no changes to the Treasury interface should be required.

External reporting to Treasury through GOALS II will be accomplished using ICFS in FY 2009. This will be a new interface using baseline COTS software capabilities.

6.4.3.2 *HUD Systems (Automated)*

Outgoing interfaces from ICFS that will need to be developed or revised include interfaces with FHA program and feeder systems and interfaces with systems sending disbursement requests directly to ICFS.

Interfaces that currently receive data from FHA-SL will continue to receive the information from ICFS at the COE. The interfaces from FHA-SL already exist or will exist by FY 2009. No changes to the outgoing interfaces are anticipated, though a review of each interface will need to

be performed to determine if configuration changes that occurred to support ICFS integration affect the format or content of the outgoing data.

However, several interfaces may need to be developed or revised to provide the required payment confirmation information back from ICFS to the systems initiating the payments, e.g., LOCCS or program systems.

6.5 Fiscal Year 2010

Integration of Ginnie Mae with ICFS at the COE is scheduled for FY 2010. Ginnie Mae will have already implemented PeopleSoft independently at a COE (planned to be IBM Corio). The timeframe and level of effort to integrate Ginnie Mae's PeopleSoft with ICFS may vary, depending on the COE selected by HUD for ICFS. If Ginnie Mae's PeopleSoft and ICFS are already being supported at the same COE with the same version of software, the integration may not require significant effort. Configuration differences or Ginnie Mae customizations will need to be identified and addressed to facilitate integration. Figure 6-8 illustrates the proposed ICFS system architecture for FY 2010.

Ginnie Mae Integration at a Center of Excellence
FY 2010

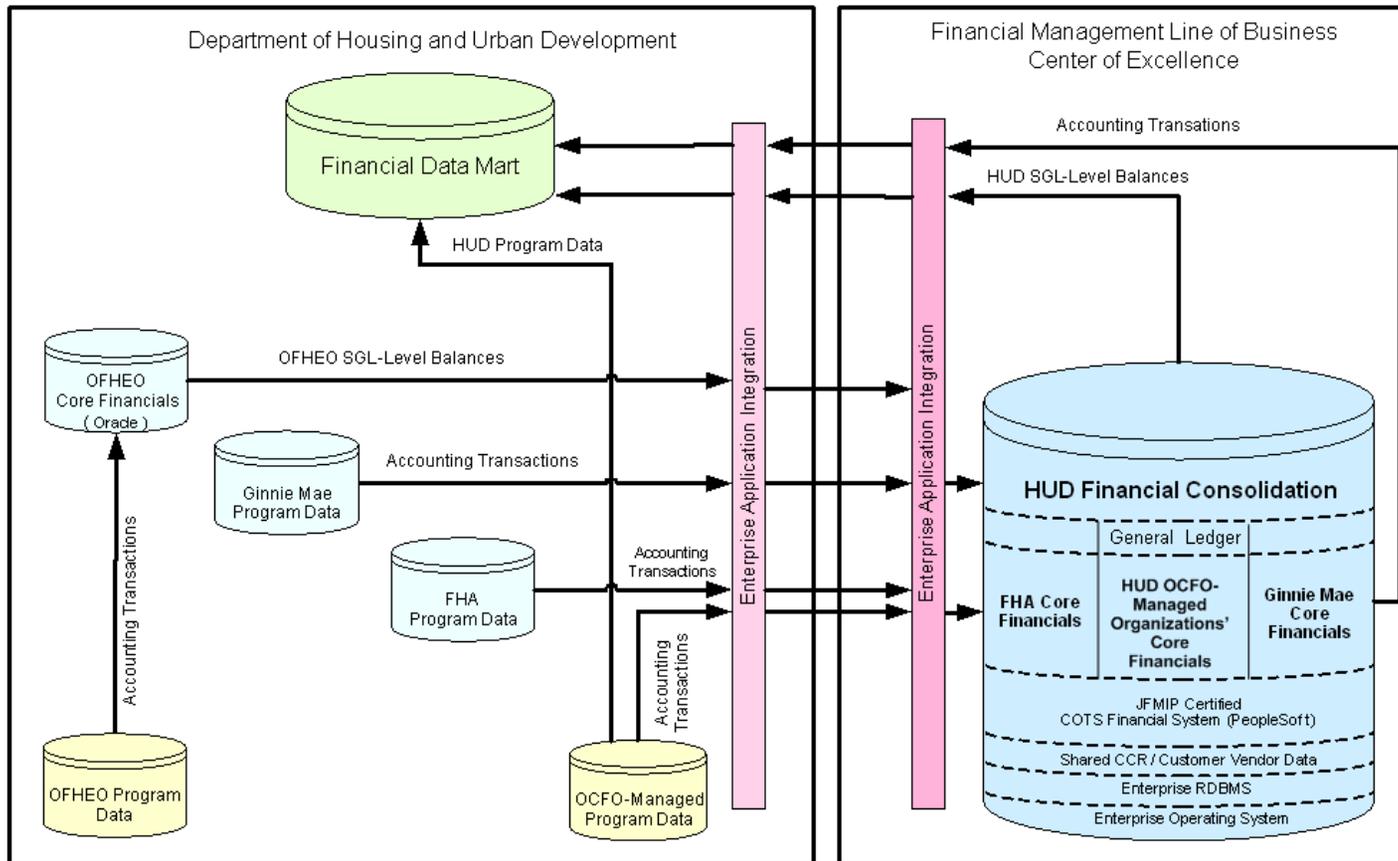


Figure 6-8. FY 2010 Planned ICFS Systems Architecture

Under this architecture, Ginnie Mae will transition from its independent operation of PeopleSoft at IBM Corio to HUD's COE. Ginnie Mae's feeder systems will interface directly to ICFS at the COE.

A potentially significant change included in the HIFMIP plan for FY 2010 is integration of ICFS with the newly implemented procurement system. The new procurement system is currently in the planning stages, and its implementation schedule has not yet been defined, so the timing of the new interfaces with ICFS may change as more information becomes available.

Another area of change currently scheduled to occur in FY 2010 is the integration of budget preparation and budget formulation functions within ICFS. The timing and nature of the integration will depend on the functionality available in the PeopleSoft COTS package.

A final area of change currently scheduled to occur in FY 2010 is the integration of DARTS (D21) functions into ICFS. HUD's desired goal is to incorporate all DARTS functions into ICFS; however, the final DARTS disposition will depend upon the functionality available in the PeopleSoft COTS package. Some or all of the DARTS functions may be incorporated into LAS (A21) if ICFS cannot fully meet the DARTS requirements.

Related changes that will occur during FY 2010 include the following:

- Implement a real-time interface between the new procurement system and ICFS. This interface should include the transmission of CCR data, allowing HUD to eliminate the interface between the FDM (A75R) and the current procurement systems (HPS (A35) and SPS (P035)).
- HPS, SPS and their related interfaces to ICFS and the FDM will be retired due to the implementation of the new procurement system.
- EZBudget (D61) can be retired when the budget formulation functions are integrated into ICFS. It is possible that BOSS (D65A) can be retired as well. An automated interface from ICFS to OMB will need to be developed to submit annual budgets. It is desirable that an automated interface from OMB could also be developed to load final budgets into ICFS for funds control.
- DARTS will be retired when its functions are integrated into ICFS. The following interfaces will need to be developed to support DARTS integration:
 - ICFS to REMS (F24D) and
 - Lockbox collections to ICFS.

Figure 6-9 illustrates the planned financial systems environment at the end of FY 2010. A more detailed discussion of the systems impacts for FY 2010 follows the figure.

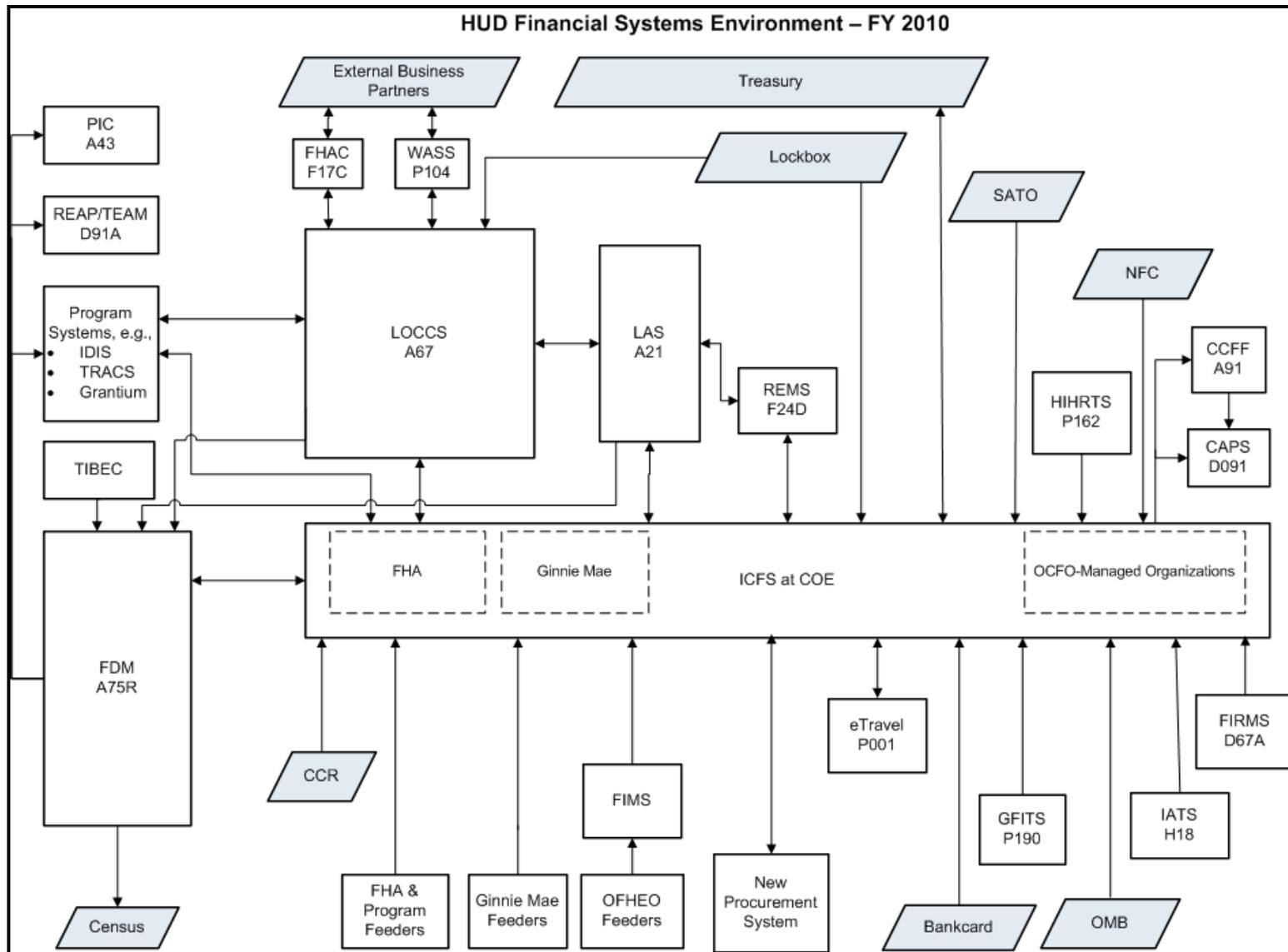


Figure 6-9. FY 2010 Planned Financial Systems Environment

In FY 2010, HIFMIP will identify areas for improvement within feeder systems and work with systems owners to prioritize and implement these changes such as the better integration between LOCCS/eLOCCS, LAS/NLS and ICFS. Additionally, integration with new HUD systems, such as procurement, will occur.

With a solid foundation established during the previous several years, HUD will begin to see significant improvements in its financial environment. Many of the financial functions that existed in separate systems in the current environment will be integrated into ICFS during FY 2010.

This section is sub-divided into a discussion of changes to existing systems, incoming interfaces and outgoing interfaces.

6.5.1 FY 2010 Changes to Systems

Systems affected during this stage include the following:

- Ginnie Mae PeopleSoft,
- HPS,
- SPS,
- EZBudget,
- BOSS, and
- DARTS.

6.5.1.1 *Ginnie Mae PeopleSoft*

Integration of Ginnie Mae's PeopleSoft core financial system with ICFS is a key component of the activities scheduled for FY 2010. Since Ginnie Mae will be operating PeopleSoft at a COE by this time, the nature of the integration will depend upon which COE is supporting ICFS. If the COE selected for ICFS implementation is IBM/Corio (Ginnie Mae's selected COE) and Ginnie Mae is using the same version of PeopleSoft as ICFS, the integration may be a primarily technical operation at the COE.

If Ginnie Mae and ICFS are using different COEs, different versions of PeopleSoft and/or different system configuration options, analysis of the differences will be required prior to integration.

6.5.1.2 *HPS & SPS*

OCPO is in the early stages of planning for a new procurement system to replace HPS and SPS. While the procurement system itself is outside the scope of HIFMIP, the interfaces between procurement and ICFS is a key component of the HIFMIP initiative. The schedule for interface/integration with HUD's new procurement system may vary depending on when the new procurement system is actually scheduled for implementation. The level of effort to integrate ICFS and procurement will vary depending upon what procurement system is selected. If an Oracle product is selected, it is likely that the integration points and interfaces with PeopleSoft Financials will already exist and will need to be configured and tested. If another procurement product is selected, more traditional software design and development tasks may be required.

Once the new procurement system is implemented, HPS and SPS will be retired.

6.5.1.3 *EZBudget and BOSS*

Integration of budget formulation with ICFS is planned for FY 2010. An initial analysis of Oracle/PeopleSoft products available to support the required budget formulation functions and their ability to integrate with ICFS should be performed to prepare for the replacement of EZBudget and possibly BOSS. If existing software modules or compatible products exist, this task will focus on acquisition, configuration and testing of the required capabilities. If no satisfactory PeopleSoft capabilities are identified, this task will look at automating the interface with the selected budget formulation system to submit budgets to OMB and to record the OMB-authorized budget.

EZBudget and possibly BOSS will be eliminated as standalone budget systems when the budget formulation functions are integrated with ICFS.

6.5.1.4 *DARTS*

HIFMIP plans call for accounts receivable and collection functions currently handled by DARTS to be integrated into ICFS if possible. This will require an analysis of DARTS requirements and a comparison to available PeopleSoft/ICFS capabilities. If ICFS is able to support the required functions, then DARTS will be replaced with ICFS. If ICFS cannot support the required DARTS functions, an automated interface between ICFS and DARTS or the system that replaces DARTS will need to be developed.

6.5.2 FY 2010 Incoming Interfaces

Interfaces that currently provide data to Ginnie Mae will need to be redesigned during FY 2010. In addition, interfaces with the procurement system and IATS will need to be developed. The following interfaces providing data to ICFS will be affected:

- External Systems—Lockbox collections,
- Ginnie Mae Feeder Systems,
- HUD Systems (automated)—Procurement, and
- HUD Systems (manual):
 - EZBudget and
 - IATS.

A discussion of these interfaces follows.

6.5.2.1 *Lockbox Collections*

Since DARTS functions will be integrated into ICFS, an interface from the lockbox (currently Mellon Bank) to ICFS will need to be developed to record lockbox collections currently handled by DARTS. If the DARTS functions cannot be integrated with ICFS, DARTS would likely become a part of LAS, and the lockbox interface to LAS would need to be developed.

Additionally, the interface from LAS to ICFS would need to be modified to provide the DARTS receivable and collection information to the ICFS general ledger.

6.5.2.2 *Ginnie Mae Feeder Systems*

Interfaces that currently provide data to Ginnie Mae’s subsidiary ledger will continue to provide the information directly to Ginnie Mae using ICFS at the COE. No changes in incoming information are anticipated, though a review of each interface will need to be performed to determine if configuration changes that occurred to support ICFS integration affect the format or content of the incoming data.

6.5.2.3 *Procurement*

HPS and SPS interfaces with ICFS will be replaced with a real-time interface to the new procurement system. “Hooks” for this integration should already exist in both ICFS and the selected procurement package, facilitating the integration and implementation during this phase.

6.5.2.4 *HUD Systems (Manual)*

Current manual interfaces into ICFS include EZBudget/OMB for budget data and IATS for PCS or relocation travel. With the implementation of an integrated budget formulation function, it should be possible to provide an automated load of budget data into the funds control module of ICFS, either from the budget formulation subsystem or directly from OMB.

The existing manual interface between IATS and ICFS will be automated for implementation in FY 2010.

6.5.3 **Outgoing Interfaces**

The following interfaces from ICFS will need to be developed or revised for FY 2010:

- External Interfaces—OMB,
- HUD Systems (automated):
 - Procurement,
 - FDM, and
 - REMS.

A discussion of these interfaces follows.

6.5.3.1 *OMB*

With the implementation of an integrated budget formulation function in ICFS, the budget submission to OMB should be able to be automated, assuming OMB is able to accept automated budget submissions. The two-way automation will result in less data entry and fewer errors to load budget amounts for spending controls in the financial system.

6.5.3.2 *HUD Systems (Automated)*

Outgoing interfaces from ICFS that will need to be developed or revised include interfaces with Ginnie Mae program and feeder systems and interfaces with procurement, FDM and REMS.

Interfaces that currently receive data from Ginnie Mae will continue to receive the information from ICFS at the COE. The interfaces from Ginnie Mae’s PeopleSoft will exist by FY 2010. No changes to the outgoing interfaces are anticipated, though a review of each interface will need to

be performed to determine if configuration changes that occurred to support ICFS integration affect the format or content of the outgoing data.

A new interface will need to be developed provide the required information to REMS from ICFS to replace the information that flows from DARTS to REMS in the current systems environment.

ICFS will need to provide information to the new procurement system. This information includes funds availability for procurement transactions such as commitments or obligations and possibly payments by contract or purchase order. In addition, by this time, the ICFS CCR functionality should be in place to allow the new procurement system to obtain CCR data directly from ICFS, eliminating the need to build a new FDM to procurement interface. The FDM to procurement interface can be eliminated, and the integration between ICFS and procurement can assume this function.

6.6 Fiscal Year 2011

The major HIFMIP-related activity scheduled for FY 2011 is the upgrade to Oracle's Fusion platform at the COE. This upgrade is necessary to support integration of OFHEO and to prepare for future releases from Oracle of the combined Oracle/PeopleSoft financial software.

In a recent announcement, Oracle indicated that it will use a Fusion platform with a standards-based modular design for its architecture. Oracle plans to use the Java platform to build the different components and deploy the emerging Business Process Execution Language to "glue" the components together. Java Server Faces will take the place of Oracle Forms for the database-driven applications. PeopleSoft's own application server will be replaced with Oracle's. Essentially, Oracle is planning to provide application software with a PeopleSoft look and feel, but with Oracle architecture underneath.

HUD customers must use PeopleSoft 8.9 or Oracle's E-Business Suite Version 11i.10 in order to migrate to the Fusion platform. Figure 6-10 illustrates the proposed ICFS system architecture for FY 2011.

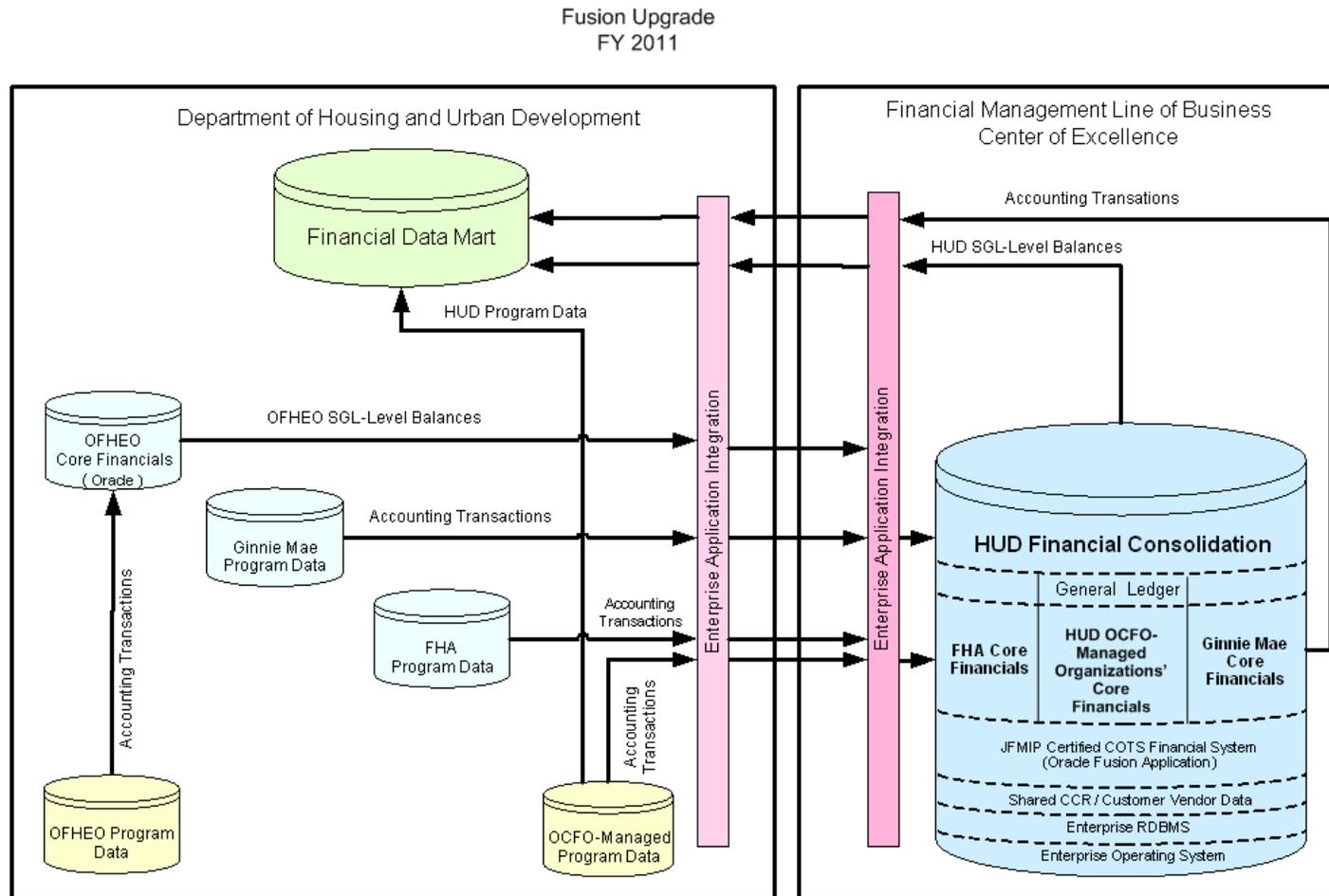


Figure 6-10. FY 2011 Planned ICFS Systems Architecture

The Fusion upgrade will position HUD to integrate OFHEO and to take advantage of Oracle upgrades that enhance application functionality and respond to new government requirements and technological advances. Oracle is planning to provide smaller upgrade packages more frequently than its previous major releases every two years. Oracle plans that these updates can be installed without taking existing applications offline.

There are no planned functional or system changes during FY 2011 due to the Fusion upgrade. Figure 6-11 illustrates the planned financial systems environment at the end of FY 2011.

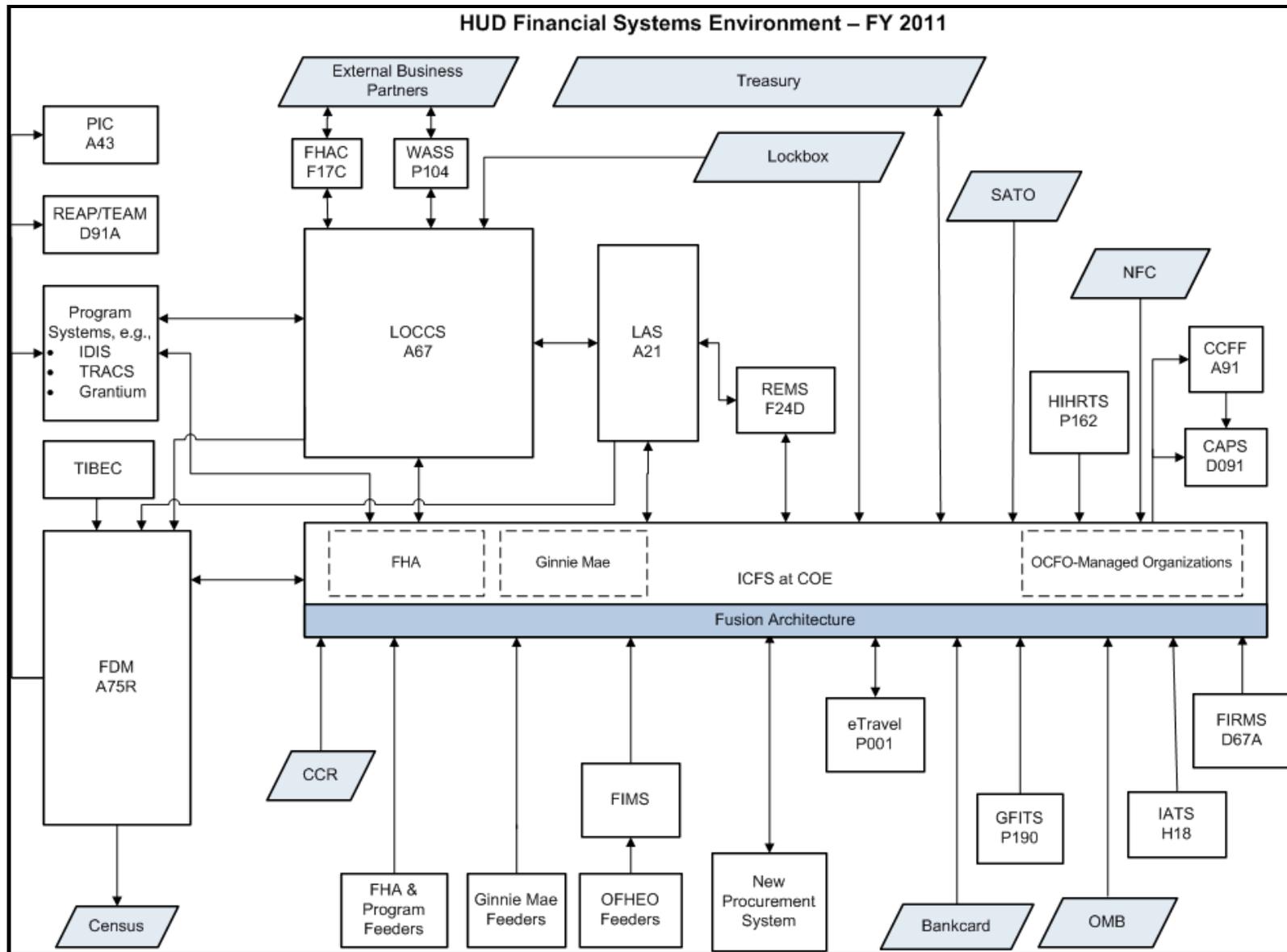


Figure 6-11. FY 2011 Planned Financial Systems Environment

6.7 Fiscal Year 2012

HIFMIP plans for FY 2012 include the integration of OFHEO with ICFS at the COE, implementation of a new Financial Data Warehouse to replace the existing Financial Data Mart (A75R), and enhanced interfaces with HIRTS (P162). Figure 6-12 illustrates the proposed ICFS system architecture for FY 2012.

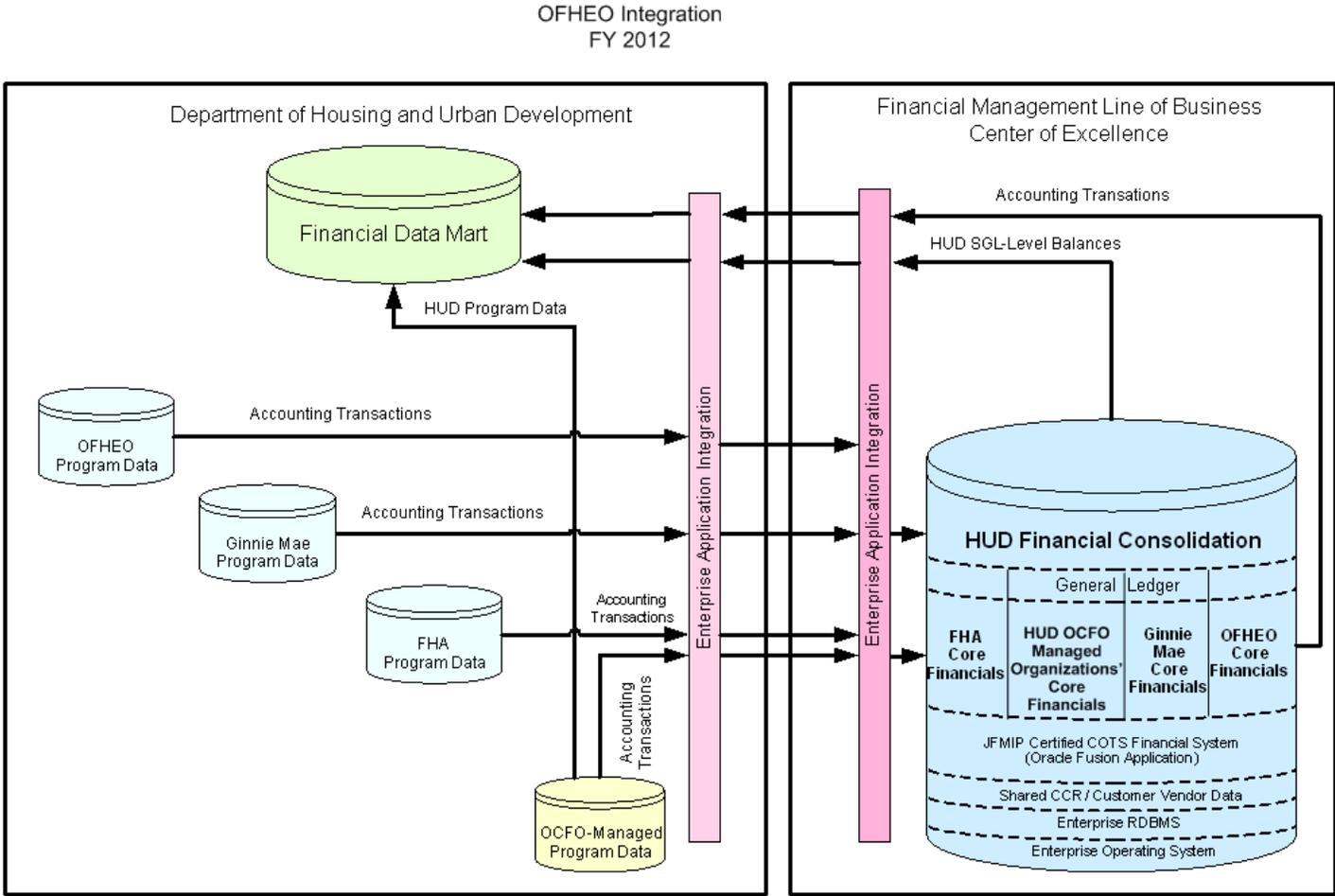


Figure 6-12. FY 2012 Planned ICFS Systems Architecture

With the integration of OFHEO into ICFS at the COE, all HUD business areas will be fully integrated using Oracle's Fusion platform and financial application. HUD will then be able to take advantage of the additional system functions and tools available with the Oracle platform and COTS application. One of these integrated applications will be a Financial Data Warehouse that will replace the existing FDM (A75R). Oracle's current product offering is called the Oracle Financial Consolidation Hub. The Financial Consolidation Hub brings together financial data from disparate sources to create a single, global view of financial information across the entire agency or enterprise. This Oracle product uses Fusion middleware and may be a starting point for a HUD Financial Data Warehouse that integrates with ICFS more fully than the existing FDM.

An additional change tentatively planned for FY 2012 is an enhanced interface between HIHRTS (P162) and ICFS. People Soft is the COTS package on which HIHRTS is based. HUD is using Treasury as a service provider for HIHRTS. As additional functionality is developed via HIHRTS and the OCFO develops a more comprehensive cost management process, additional integration/interface opportunities will be identified and scheduled. For example, HUD may determine whether HIHRTS maintains improved Time and Attendance (T&A) functions versus PC-TARE and transition to the new system and T&A function.

The following systems and interfaces may be affected in FY 2012 with the implementation of a new Financial Data Warehouse and enhanced integration with HIHRTS:

- The existing FDM will be retired.
- Interfaces that currently exist between the FDM and other systems will be modified or replaced. These include interfaces to and/or from LAS (A21), PIC (P013), REAP/TEAM (D91A), and TIBEC.
- The enhanced HIHRTS interface/integration with ICFS may result in the elimination of CCFF (A91) and CAPS (D091) and the related interfaces.
- REAP/TEAM will be evaluated based on changes to and implementation of a cost management function in the new financial system and processes with the new system and functionality available in HIHRTS.

Figure 6-13 illustrates the planned financial systems environment at the end of FY 2012.

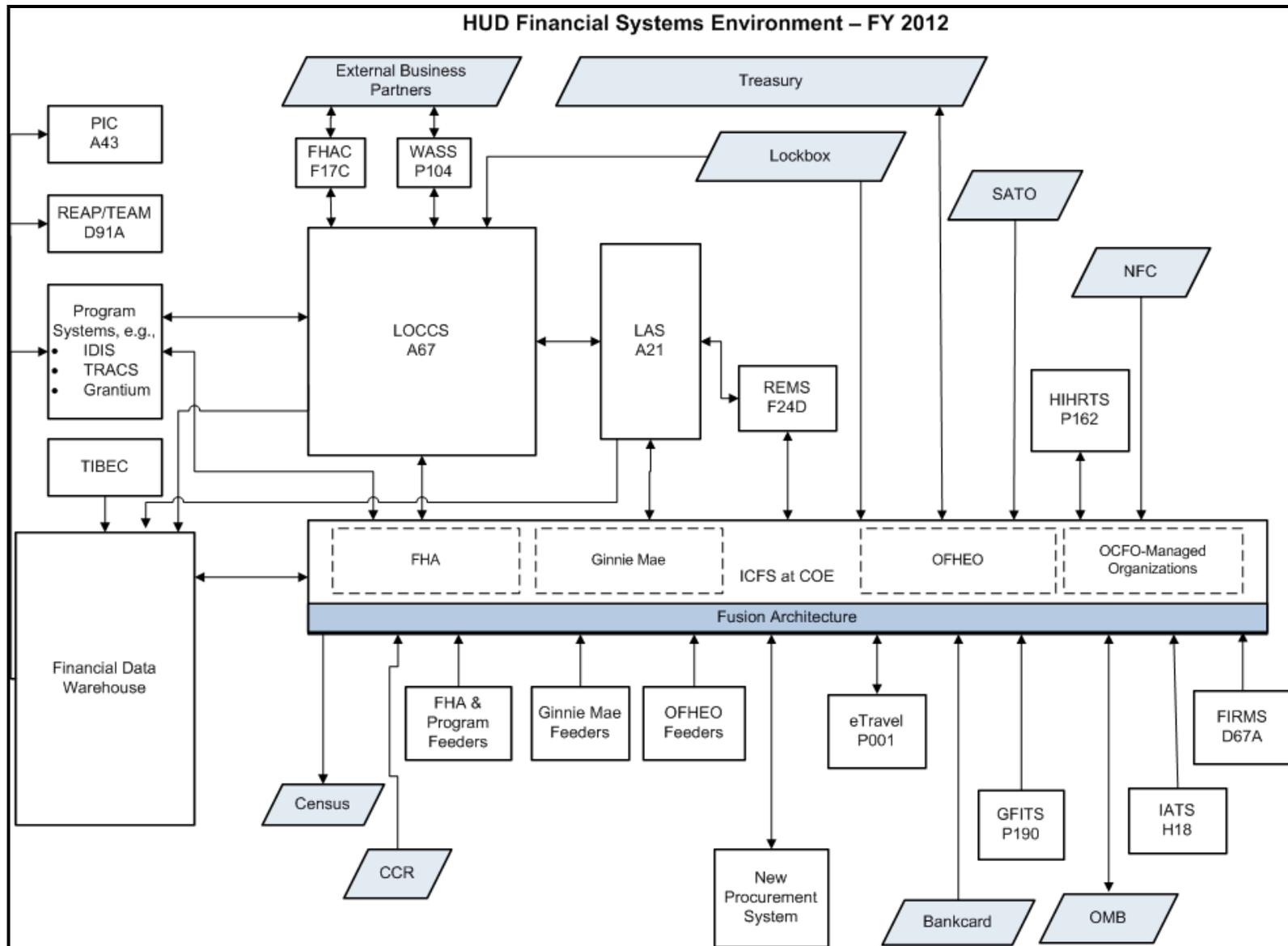


Figure 6-13. FY 2012 Planned Financial Systems Environment

6.8 Fiscal Year 2013

FY 2013 is the last year included formally in the HIFMIP plan. The focus of FY 2013 will be the addition of tools, technologies, and products that enhance the available financial information and provide agency-wide integrated management information. As the Department selects additional COTS solutions with an enterprise-wide focus, the evaluation and selection process should consider how the new system will interface/integrate with the core financial system to ensure they are compatible and share common data and architecture. All new systems initiatives must support the HUD target enterprise architecture. Figure 6-14 illustrates the proposed ICFS system architecture for FY 2013.

Programmatic and Performance Integration
FY 2013

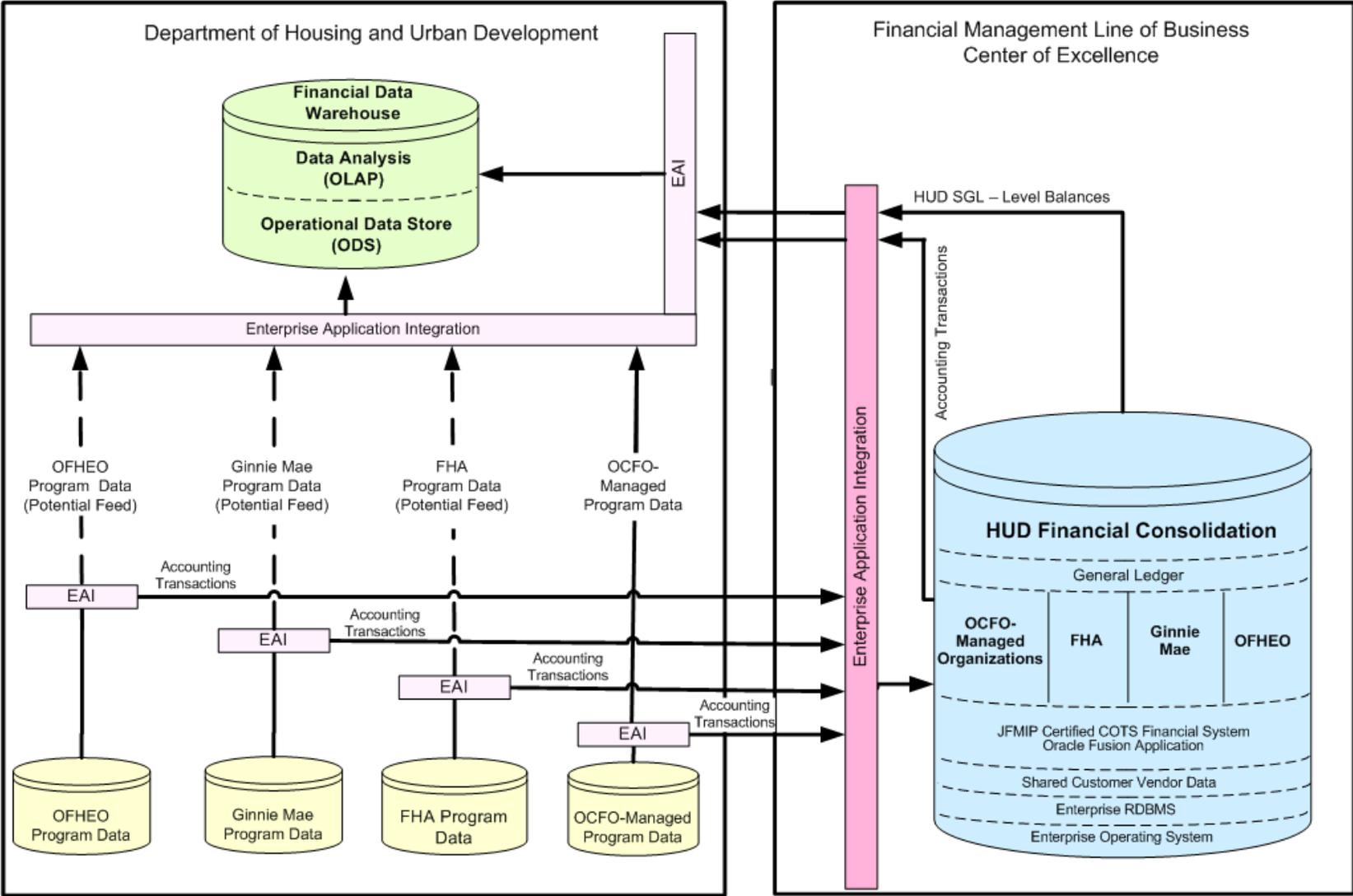


Figure 6-14. FY 2013 Planned ICFS Systems Architecture

Figure 6-15 illustrates the planned financial systems environment at the end of FY 2013. Some of the areas identified for enhancement of the core financial foundation provided with ICFS include the following:

- Decision Support System;
- Customer Relationship Management System; and
- Enterprise Performance Management System.

The types of products available to support these functions and the way in which they might be integrated with ICFS may change over the next five to seven years. HUD will need to monitor available products that will integrate with ICFS and Oracle's Fusion application and address the specific applications, tools, and implementation strategies as HIFMIP moves further along in its life cycle.

HUD Financial Systems Environment – FY 2013

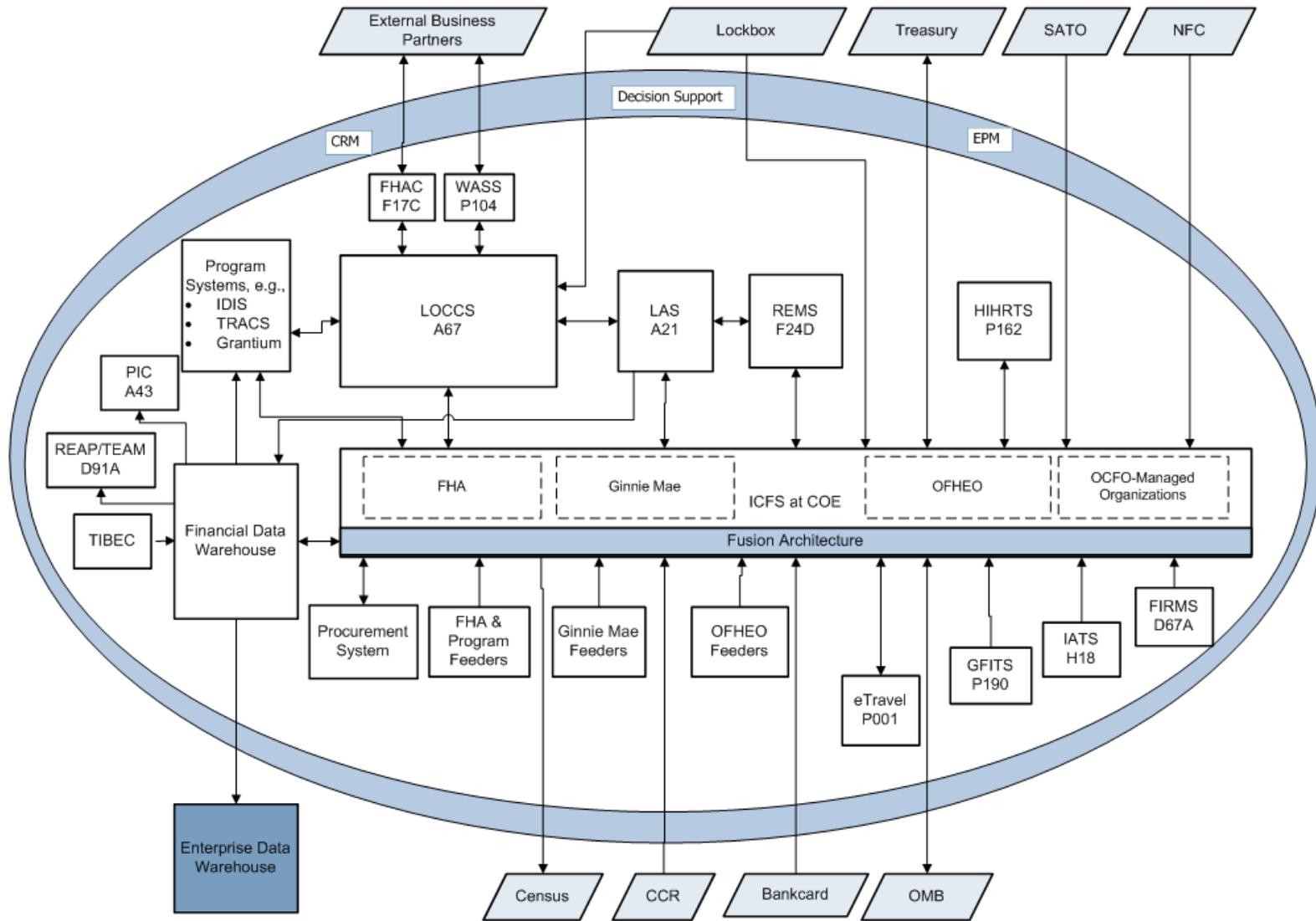


Figure 6-15. FY 2013 Planned Financial Systems Environment

Initiatives planned for FY 2013 leverage the core financial solution through the implementation of decision support, performance management and customer relationship management solutions. This includes providing the necessary financial feeds into program, performance and customer-based systems to establish a holistic management environment supported by analytical and decision support technology. Currently, HUD does not have a technology solution in place that effectively merges financial and programmatic information to achieve enterprise performance management or to measure program performance as required by the PMA.

The activities described for FY 2012 and FY 2013, originally grouped under HIMFIP Phase IV, are the final steps in achieving fully integrated financial, program and performance information. At this time, HUD will integrate programmatic and financial information. Additionally, financial, program performance, customer/business partner and business management information will be integrated using Enterprise Performance Management (EPM) software. HUD will also leverage Customer Relationship Management (CRM) software to better monitor and manage third party performance.

Another element of Phase IV that fits into the overall integrated financial, program and performance information is an Enterprise Data Warehouse. This enterprise data warehouse is separate from the new financial data warehouse under OCFO control described in FY 2012. Specific warehouse architecture and tools to support data retrieval will need to be defined; ideally using modules and tools available through the same suite of software selected for ICFS.

APPENDIX A. LSDP SYSTEMS CROSSWALKS

A. HIFMIP LSDP SYSTEMS CROSSWALKS

This appendix provides listings of HUD systems sorted in several ways for reader reference. The information contained in the listings was obtained from HUD’s Inventory of Automated Systems (IAS) on October 11, 2005 and sorted in multiple ways for inclusion in the LSDP. The listings include:

- A.1 HUD Systems by System ID;
- A.2 HUD Systems by System Short Name;
- A.3 HUD Systems by System Name; and
- A.4 HUD Systems by Organization.

The HUD organization responsible for each system is also included on each listing.

A.1 HUD Systems by System ID

System ID	System Short Name	System Name	Organization
A15	GSC	Geocoding Service Center	RR
A21	LAS	Loan Accounting System	Office of the Chief Financial Officer (OCFO)
A35	HPS	HUD Procurement System	Office of the Chief Procurement Officer (OCPO)
A39	HCFSS	HUD's Consolidated Financial Statement System	OCFO
A43	SFIS	Single Family Insurance System	Housing
A43C	CLAIMS	Single Family Insurance System-Claims Subsystem	Housing
A51	FAADS	Federal Assistance Award Data	Office of the Chief Information Officer (OCIO)
A62	TDLS	Telephone Directory and Locator System	Administration (ADMN)
A65A	SAVE	Section 235 Automated Validating and Editing	OCFO
A67	LOCCS	Line of Credit Control System	OCFO
A75	HUDCAPS	HUD Central Accounting and Program System/ Federal Financial System	OCFO
A75I	PSCRS	Administrative Accounting-Personal Services Cost Reporting Subsystem	OCFO
A75R	FDM	Financial Data Mart	OCFO
A80B	SFPCS-P	Single Family Premium Collection Subsystem-Periodic	Housing

Appendix A: LSDP Systems Crosswalks

System ID	System Short Name	System Name	Organization
A80D	DSRS	Distributive Shares and Refund Subsystem	Housing
A80N	SFMN	Single Family Mortgage Notes	Housing
A80Q	PICS	Public Inquiry Communication Subsystem	Housing
A80R	SFPCS	Single Family Premiums Collection Subsystem - Upfront	Housing
A80S	SAMS	Single Family Acquired Asset Management System	Housing
A80W	SFNW	Single Family Neighborhood Watch	Housing
A91	CCFF	Consolidated Cost & FTE Files	OCFO
A96	PAS	Program Accounting System	OCFO
C02	EDSys	Economic Development System	OCPO
C04	IDIS	CPD Integrated Disbursement & Information System	OCPO
C07A	GMP	CPD Grants Management Process	OCPO
C08A	DRGRS	Disaster Recovery Grant Reporting System	OCPO
C38	SNAPS	Special Needs Assistance Programs	OCPO
C38I	TITLEV	Title V	OCPO
C39	EZ/EC	Empowerment Zones/Enterprise Communities Performance Measurement System (RC/EZ/EC PERMS)	OCPO
D04	ACRS	Administrative Client Request/Response System	ADMN
D05	OPTIS	OHR Office of Personnel & Training Inquiry System	ADMN
D074	DDS S+	Direct Distribution System SpectrumPlus	ADMN
D08	Bonds	Bond Mapper or Bond Payment	OCFO
D19	TANCS	Training Announcement/Nomination and Confirmation System	ADMN
D21	DARTS	Departmental Accounts Receivable Tracking/Collection System	OCFO
D41	HUDCLIPS	HUD Client Information and Policy System	ADMN
D43	PC-TARE	Personal Computer Time and Attendance Remote Entry	ADMN
D49	HCM	HUD Communication Manager	ADMN
D50A	SCHEDUALL	Scheduall	ADMN
D51	DOCS	Departmental Organization Code System	ADMN

Appendix A: LSDP Systems Crosswalks

System ID	System Short Name	System Name	Organization
D55	EEOTRACS	Equal Employment Opportunity TRACS	Office of Departmental Equal Employment Opportunity (ODEEO)
D56	ARFS	Automated Retirement Forms System	ADMN
D60	PERIS	Personnel Information System	ADMN
D61	EZB	EZBudget Formulation System	OCFO
D64A	SFHEDW	Single Family Housing Enterprise Data Warehouse	Housing
D65A	BOSS	Section 8 Budget Outlay Support System	OCFO
D67A	FIRMS	Facilities Integrated Resource Management System	ADMN
D72	HATS	Human Resource Action Tracking System	ADMN
D72P	HPNFC	HATS/PERIS NFC FTP	ADMN
D74A	DDS	Direct Distribution System	ADMN
D77A	RC/EZ/EC LOC	Renewal Communities/Empowerment Zones/Enterprise Communities Locator	OCPO
D82A	HARTS	HUD Application Release Tracking System	OCIO
D89A	eCPIC	Electronic Capital Planning Investment Control	OCIO
D91A	TEAM-REAP	Total Estimation & Allocation Mechanism - Resource Estimation & Allocation Process (TEAM-REAP)	OCFO
D92A	HAPS	HIIPS Automated Processing System	OCIO
E04	SCTS	Section 3 Complaint Tracking System	Fair Housing and Equal Opportunity (FHEO)
E08A	TEAPOTS	Title VIII Automated Paperless Office Tracking System	FHEO
E15A	HUD903	HUD Form 903 (Fair Housing Complaint Form)	FHEO
F11	HCS	Housing Counseling System	Housing
F12	HECM	Home Equity Conversion Mortgages	Housing
F17	CHUMS	Computerized Homes Underwriting Management System	Housing
F17A	AUS	Automated Underwriting System	Housing
F17B	CBTS	Case Binder Tracking System	Housing
F17C	FHAC	FHA Connection	Housing
F24A	DAP	Development Application Processing System	Housing
F24B	M2M	Mark-To-Market	Housing

Appendix A: LSDP Systems Crosswalks

System ID	System Short Name	System Name	Organization
F24D	REMS	Real Estate Management System	Housing
F24P	APPS	Active Partners Performance System	Housing
F42	CSFSS	Consolidated Single Family Statistical System	Housing
F42D	SFDMS	Single Family Default Monitoring Subsystem	Housing
F47	MFIS	Multifamily Insurance	Housing
F51	IMF	Institution Master File	Housing
F51A	ARRTS	Approval & Recertification Tracking System	Housing
F57	CAIVRS	Credit Alert Interactive Voice Response	Housing
F71	DCAMS	Title I Notes Servicing (Debt Collection and Asset Management System)	Housing
F71A	GDEBT	Generic Debt Management System	Housing
F72	TIIS	Title I Insurance and Claims	Housing
F75	MFIC	Multifamily Insurance Claims	Housing
F87	TRACS	Tenant Rental Assistance Certification System	Housing
F92A	SFASEL	Single Family/Multifamily Asset Sales System	Housing
H05	ACORN II	Automated Correspondence On-Line Response Network	ADMN
H09	LR2000	Labor Relations 2000	Office of the Secretary (OS)
H17B	MONITOR	Administrative Law Judge Case Monitoring System	OS
H27A	CMS	Correspondence Management System	ADMN
J03	OPETS	Office of Program Enforcement Tracking System	Office of General Counsel (OGC)
J04	RIS	Regulations Information System	OGC
J05A	LAWS	Legal Assessment of Workload System	OGC
J07A	DLTS	Defensive Litigation Tracking System	OGC
N29	CIS	Client Information System (Young vs. HUD)	FHEO
P001	HTMS/eTravel	HUD Travel Management System/FedTraveler.com	OCFO
P007	AFOCS	Albany Financial Operations Center System	Housing
P008	EZ/EC MIS	Empowerment Zone/Enterprise Community Initiative Application Evaluation System (EZ/EC IAES)	OCPO
P013	FHA-SL	FHA Subsidiary Ledger	Housing

Appendix A: LSDP Systems Crosswalks

System ID	System Short Name	System Name	Organization
P017	GIMS	Grants Interface Management System	OCIO
P028	HIPRS	HUD Integrated Performance Reporting System	Office of Departmental Operation and Coordination (ODOC)
P029	OPFTS	Official Personnel File Tracking System	ADMN
P030	ILSR	Interstate Land Sales Registration/Real Estate Settlement Procedures Act Compliance Tracking System	Housing
P035	HPS/SPS	HPS-Small Purchase System	OCPO
P041	RHEDPS	Rural Housing and Economic Development Program System	OCPO
P046	HMIMIS	Hospital Mortgage Insurance Management Information System	Housing
P057	MDDR	Multifamily Delinquency and Default Reporting System	Housing
P065	ASAASTS	Assistant Secretary for Administration Assignment Status Tracking System	ADMN
P065S	ASAASTS/OSDBU	Assistant Secretary for Administration Assignment Status Tracking System/Office of Small and Disadvantaged Business Utilization	OS
P068	HUDGOV	HUD.gov	ODOC
P069	HUDWEB	HUDweb (HUD@work)	ODOC
P072	MSCS2	Merit Staffing Control System	ADMN
P075	ABS-CSD	Automated Bankcard System - Customer Service Division	OCIO
P083	FMS	FOIA Management System	OGC
P089	RASS-P	Resident Assessment Sub-System	Real Estate Assessment Center (REAC)
P091	CASS	Customer Assessment Sub-System	REAC
P092	FASS-FHA	Financial Assessment Sub-System-FHA	REAC
P093	FASS-PHA	Financial Assessment Sub-System Public Housing Agency	REAC
P096	LASS	Lender Assessment Sub-System	Housing
P097	MASS-R	Management Assessment Sub-System REAC	REAC
P100	NASS	Integrated Assessment Sub-System	REAC
P104	WASS	Web Access Security Sub-System	REAC

Appendix A: LSDP Systems Crosswalks

System ID	System Short Name	System Name	Organization
P106	TASS	Tenant Eligibility Assessment Sub-system	REAC
P107	QASS	Quality Assessment Sub-System	REAC
P109	PASS-R	Physical Assessment Sub-System-PIH/REAC	REAC
P113	PIC	PIH Information Center (PIC)	Public and Indian Housing (PIH)
P120	SCATS	Security Control and Tracking System	ADMN
P121	EDDS	Enterprise Data Delivery Service	OCIO
P126	HMVS	HUD Multimedia Vault System	ADMN
P130	QMRP	Quality Management Review Program	ODOC
P136	ARCATS	Audit Resolution and Corrective Action Tracking System	OCFO
P138	PACS	Performance Accountability and Communication System (PACS/EPACS)	ADMN
P140	ODOCS	ODOC Services	ODOC
P142	DMM	Deliverable Management Module	ADMN
P147	HPI	HUD Program Inventory	ADMN
P148	PBC	Prepared by Client Tracking Database	OCFO
P156	EAMS	Enterprise Architecture Management System	OCIO
P159	OASES	Online Application System Implemented for the Secretary	OS
P160	HOMS	HUD Organizational Mailing System	ADMN
P162	HIHRTS	HUD Integrated Human Resources and Training System	ADMN
P166	ECS	Emergency Contact System	ADMN
P172	HTAFA	HTA Faculty Application	ADMN
P173	PETS	Printing Estimating and Tracking System	ADMN
P177	DPCS	Disposition Program Compliance System	Housing
P180	TNA	Training Needs Assessment	ADMN
P181	EIV	Enterprise Income Verification	PIH
P182	HVUD	HVU Download	ADMN
P186	FLRP	Fair Lending Resource Portal	FHEO
P191	HIMS	HUD Incident Management System	ADMN

System ID	System Short Name	System Name	Organization
P192	QPRS	Quarterly Progress Reporting System	Office of Health Homes and Lead Hazard Control (OHHLHC)
P193	STARWeb	STAR Web	ADMN
P195	OGC-ETS	Office of General Counsel Enterprise Tracking System	OGC
P197	PAMS	Public Affairs Media System	Office of Public Affairs
P204	CAED	Compliance and Enforcement Database	OHHLHC
P205	FBCCS	Faith-Based and Community Communication System	OS
P214	ASAASTS/ODP	Assistant Secretary of Administration Assignment Status Tracking System/Office of Disability Policy	OS
P216	MAPS	Monitoring and Planning System	PIH
P217	CARS	Client Activity Reporting System	Housing
P221 ¹⁵	eTravel	ETS Interface	OCFO
P224	VMS	Voucher Management System	PIH
PO65F	ASAASTS/FPM	Assistant Secretary for Administration Assignment Status Tracking System/Office of Field Policy and Management	Office of Field Policy and Management (FPM)
V01A	ECI	Enforcement Center Imaging	OGC
V02A	ECPCIS-DECMS	Enforcement Center Program Compliance Integration System-DECMS	OGC

A.2 HUD Systems by System Short Name

System Short Name	System ID	System Name	Organization
ABS-CSD	P075	Automated Bankcard System - Customer Service Division	Office of the Chief Information Officer (OCIO)
ACORN II	H05	Automated Correspondence On-Line Response Network	Administration (ADMN)
ACRS	D04	Administrative Client Request/Response System	ADMN
AFOCS	P007	Albany Financial Operations Center System	Housing

¹⁵ The LSDP has treated eTravel and HTMS as one system (P001) per HUD guidance in the 9/15/2005 working session. HUD is planning to close out P221, eTravel interface and continue to use P001 as the system id for the travel system.

Appendix A: LSDP Systems Crosswalks

System Short Name	System ID	System Name	Organization
APPS	F24P	Active Partners Performance System	Housing
ARCATS	P136	Audit Resolution and Corrective Action Tracking System	Office of the Chief Financial Officer (OCFO)
ARFS	D56	Automated Retirement Forms System	ADMN
ARRTS	F51A	Approval & Recertification Tracking System	Housing
ASAASTS	P065	Assistant Secretary for Administration Assignment Status Tracking System	ADMN
ASAASTS/FPM	PO65F	Assistant Secretary for Administration Assignment Status Tracking System/Office of Field Policy and Management	Office of Field Policy and Management (FPM)
ASAASTS/ODP	P214	Assistant Secretary of Administration Assignment Status Tracking System/Office of Disability Policy	Office of the Secretary (OS)
ASAASTS/OSDBU	P065S	Assistant Secretary for Administration Assignment Status Tracking System/Office of Small and Disadvantaged Business Utilization	OS
AUS	F17A	Automated Underwriting System	Housing
Bonds	D08	Bond Mapper or Bond Payment	OCFO
BOSS	D65A	Section 8 Budget Outlay Support System	OCFO
CAED	P204	Compliance and Enforcement Database	Office of Health Homes and Lead Hazard Control (OHLHC)
CAIVRS	F57	Credit Alert Interactive Voice Response	Housing
CARS	P217	Client Activity Reporting System	Housing
CASS	P091	Customer Assessment Sub-System	Real Estate Assessment Center (REAC)
CBTS	F17B	Case Binder Tracking System	Housing
CCFF	A91	Consolidated Cost & FTE Files	OCFO
CHUMS	F17	Computerized Homes Underwriting Management System	Housing
CIS	N29	Client Information System (Young vs. HUD)	Fair Housing and Equal Opportunity (FHEO)
CLAIMS	A43C	Single Family Insurance System-Claims Subsystem	Housing
CMS	H27A	Correspondence Management System	ADMN
CSFSS	F42	Consolidated Single Family Statistical System	Housing

Appendix A: LSDP Systems Crosswalks

System Short Name	System ID	System Name	Organization
DAP	F24A	Development Application Processing System	Housing
DARTS	D21	Departmental Accounts Receivable Tracking/Collection System	OCFO
DCAMS	F71	Title I Notes Servicing (Debt Collection and Asset Management System)	Housing
DDS	D74A	Direct Distribution System	ADMN
DDS S+	D074	Direct Distribution System SpectrumPlus	ADMN
DLTS	J07A	Defensive Litigation Tracking System	Office of General Counsel (OGC)
DMM	P142	Deliverable Management Module	ADMN
DOCS	D51	Departmental Organization Code System	ADMN
DPCS	P177	Disposition Program Compliance System	Housing
DRGRS	C08A	Disaster Recovery Grant Reporting System	OCPO
DSRS	A80D	Distributive Shares and Refund Subsystem	Housing
EAMS	P156	Enterprise Architecture Management System	OCIO
ECI	V01A	Enforcement Center Imaging	OGC
ECPCIS-DECMS	V02A	Enforcement Center Program Compliance Integration System-DECMS	OGC
eCPIC	D89A	Electronic Capital Planning Investment Control	OCIO
ECS	P166	Emergency Contact System	ADMN
EDDS	P121	Enterprise Data Delivery Service	OCIO
EDSys	C02	Economic Development System	Office of the Chief Procurement Officer (OCPO)
EEOTRACS	D55	Equal Employment Opportunity TRACS	Office of Departmental Equal Employment Opportunity (ODEEO)
EIV	P181	Enterprise Income Verification	Public and Indian Housing (PIH)
eTravel ¹⁶	P221	ETS Interface	OCFO
EZ/EC	C39	Empowerment Zones/Enterprise Communities Performance Measurement System (RC/EZ/EC PERMS)	OCPO

¹⁶ The LSDP has treated eTravel and HTMS as one system (P001) per HUD guidance in the 9/15/2005 working session. HUD is planning to close out P221, eTravel interface and continue to use P001 as the system id for the travel system.

Appendix A: LSDP Systems Crosswalks

System Short Name	System ID	System Name	Organization
EZ/EC MIS	P008	Empowerment Zone/Enterprise Community Initiative Application Evaluation System (EZ/EC IAES)	OCPO
EZB	D61	EZBudget Formulation System	OCFO
FAADS	A51	Federal Assistance Award Data	OCIO
FASS-FHA	P092	Financial Assessment Sub-System-FHA	REAC
FASS-PHA	P093	Financial Assessment Sub-System Public Housing Agency	REAC
FBCCS	P205	Faith-Based and Community Communication System	OS
FHAC	F17C	FHA Connection	Housing
FHA-SL	P013	FHA Subsidiary Ledger	Housing
FDM	A75R	Financial Data Mart	OCFO
FIRMS	D67A	Facilities Integrated Resource Management System	ADMN
FLRP	P186	Fair Lending Resource Portal	FHEO
FMS	P083	FOIA Management System	OGC
GDEBT	F71A	Generic Debt Management System	Housing
GIMS	P017	Grants Interface Management System	OCIO
GMP	C07A	CPD Grants Management Process	OCPO
GSC	A15	Geocoding Service Center	RR
HAPS	D92A	HIIPS Automated Processing System	OCIO
HARTS	D82A	HUD Application Release Tracking System	OCIO
HATS	D72	Human Resource Action Tracking System	ADMN
HCFSS	A39	HUD's Consolidated Financial Statement System	OCFO
HCM	D49	HUD Communication Manager	ADMN
HCS	F11	Housing Counseling System	Housing
HECM	F12	Home Equity Conversion Mortgages	Housing
HIHRTS	P162	HUD Integrated Human Resources and Training System	ADMN
HIMS	P191	HUD Incident Management System	ADMN
HIPRS	P028	HUD Integrated Performance Reporting System	Office of Departmental Operation and Coordination (ODOC)
HMIMIS	P046	Hospital Mortgage Insurance Management Information System	Housing

Appendix A: LSDP Systems Crosswalks

System Short Name	System ID	System Name	Organization
HMVS	P126	HUD Multimedia Vault System	ADMN
HOMS	P160	HUD Organizational Mailing System	ADMN
HPI	P147	HUD Program Inventory	ADMN
HPNFC	D72P	HATS/PERIS NFC FTP	ADMN
HPS	A35	HUD Procurement System	OCPO
HPS/SPS	P035	HPS-Small Purchase System	OCPO
HTAFA	P172	HTA Faculty Application	ADMN
HTMS/eTravel	P001	HUD Travel Management System/FedTraveler.com	OCFO
HUD903	E15A	HUD Form 903 (Fair Housing Complaint Form)	FHEO
HUDCAPS	A75	HUD Central Accounting and Program System/ Federal Financial System	OCFO
HUDCLIPS	D41	HUD Client Information and Policy System	ADMN
HUDGOV	P068	HUD.gov	ODOC
HUDWEB	P069	HUDweb (HUD@work)	ODOC
HVUD	P182	HVU Download	ADMN
IDIS	C04	CPD Integrated Disbursement & Information System	OCPO
ILSR	P030	Interstate Land Sales Registration/Real Estate Settlement Procedures Act Compliance Tracking System	Housing
IMF	F51	Institution Master File	Housing
LAS	A21	Loan Accounting System	OCFO
LASS	P096	Lender Assessment Sub-System	Housing
LAWS	J05A	Legal Assessment of Workload System	OGC
LOCCS	A67	Line of Credit Control System	OCFO
LR2000	H09	Labor Relations 2000	OS
M2M	F24B	Mark-To-Market	Housing
MAPS	P216	Monitoring and Planning System	PIH
MASS-R	P097	Management Assessment Sub-System REAC	REAC
MDDR	P057	Multifamily Delinquency and Default Reporting System	Housing
MFIC	F75	Multifamily Insurance Claims	Housing
MFIS	F47	Multifamily Insurance	Housing

Appendix A: LSDP Systems Crosswalks

System Short Name	System ID	System Name	Organization
MONITOR	H17B	Administrative Law Judge Case Monitoring System	OS
MSCS2	P072	Merit Staffing Control System	ADMN
NASS	P100	Integrated Assessment Sub-System	REAC
OASES	P159	Online Application System Implemented for the Secretary	OS
ODOCS	P140	ODOC Services	ODOC
OGC-ETS	P195	Office of General Counsel Enterprise Tracking System	OGC
OPETS	J03	Office of Program Enforcement Tracking System	OGC
OPFTS	P029	Official Personnel File Tracking System	ADMN
OPTIS	D05	OHR Office of Personnel & Training Inquiry System	ADMN
PACS	P138	Performance Accountability and Communication System (PACS/EPACS)	ADMN
PAMS	P197	Public Affairs Media System	Office of Public Affairs
PAS	A96	Program Accounting System	OCFO
PASS-R	P109	Physical Assessment Sub-System-PIH/REAC	REAC
PBC	P148	Prepared by Client Tracking Database	OCFO
PC-TARE	D43	Personal Computer Time and Attendance Remote Entry	ADMN
PERIS	D60	Personnel Information System	ADMN
PETS	P173	Printing Estimating and Tracking System	ADMN
PIC	P113	PIH Information Center (PIC)	PIH
PICS	A80Q	Public Inquiry Communication Subsystem	Housing
PSCRS	A75I	Administrative Accounting-Personal Services Cost Reporting Subsystem	OCFO
QASS	P107	Quality Assessment Sub-System	REAC
QMRP	P130	Quality Management Review Program	ODOC
QPRS	P192	Quarterly Progress Reporting System	OHHLHC
RASS-P	P089	Resident Assessment Sub-System	REAC
RC/EZ/EC LOC	D77A	Renewal Communities/Empowerment Zones/Enterprise Communities Locator	OCPO
REMS	F24D	Real Estate Management System	Housing

Appendix A: LSDP Systems Crosswalks

System Short Name	System ID	System Name	Organization
RHEDPS	P041	Rural Housing and Economic Development Program System	OCPO
RIS	J04	Regulations Information System	OGC
SAMS	A80S	Single Family Acquired Asset Management System	Housing
SAVE	A65A	Section 235 Automated Validating and Editing	OCFO
SCATS	P120	Security Control and Tracking System	ADMN
SCHEDUALL	D50A	Scheduall	ADMN
SCTS	E04	Section 3 Complaint Tracking System	FHEO
SFASEL	F92A	Single Family/Multifamily Asset Sales System	Housing
SFDMS	F42D	Single Family Default Monitoring Subsystem	Housing
SFHEDW	D64A	Single Family Housing Enterprise Data Warehouse	Housing
SFIS	A43	Single Family Insurance System	Housing
SFMN	A80N	Single Family Mortgage Notes	Housing
SFNW	A80W	Single Family Neighborhood Watch	Housing
SFPCS	A80R	Single Family Premiums Collection Subsystem - Upfront	Housing
SFPCS-P	A80B	Single Family Premium Collection Subsystem-Periodic	Housing
SNAPS	C38	Special Needs Assistance Programs	OCPO
STARWeb	P193	STAR Web	ADMN
TANCS	D19	Training Announcement/Nomination and Confirmation System	ADMN
TASS	P106	Tenant Eligibility Assessment Sub-system	REAC
TDLS	A62	Telephone Directory and Locator System	ADMN
TEAM-REAP	D91A	Total Estimation & Allocation Mechanism - Resource Estimation & Allocation Process (TEAM-REAP)	OCFO
TEAPOTS	E08A	Title VIII Automated Paperless Office Tracking System	FHEO
TIIS	F72	Title I Insurance and Claims	Housing
TITLEV	C38I	Title V	OCPO
TNA	P180	Training Needs Assessment	ADMN
TRACS	F87	Tenant Rental Assistance Certification System	Housing
VMS	P224	Voucher Management System	PIH

System Short Name	System ID	System Name	Organization
WASS	P104	Web Access Security Sub-System	REAC

A.3 HUD Systems by System Name

System Name	System Short Name	System ID	Organization
Active Partners Performance System	APPS	F24P	Housing
Administrative Accounting-Personal Services Cost Reporting Subsystem	PSCR	A75I	Office of the Chief Financial Officer (OCFO)
Administrative Client Request/Response System	ACRS	D04	Administration (ADMN)
Administrative Law Judge Case Monitoring System	MONITOR	H17B	Office of the Secretary (OS)
Albany Financial Operations Center System	AFOCS	P007	Housing
Approval & Recertification Tracking System	ARRTS	F51A	Housing
Assistant Secretary for Administration Assignment Status Tracking System	ASAASTS	P065	ADMN
Assistant Secretary for Administration Assignment Status Tracking System/Office of Field Policy and Management	ASAASTS/FPM	PO65F	Office of Field Policy and Management (FPM)
Assistant Secretary for Administration Assignment Status Tracking System/Office of Small and Disadvantaged Business Utilization	ASAASTS/OSDBU	P065S	OS
Assistant Secretary of Administration Assignment Status Tracking System/Office of Disability Policy	ASAASTS/ODP	P214	OS
Audit Resolution and Corrective Action Tracking System	ARCATS	P136	OCFO
Automated Bankcard System - Customer Service Division	ABS-CSD	P075	Office of the Chief Information Officer (OCIO)
Automated Correspondence On-Line Response Network	ACORN II	H05	ADMN
Automated Retirement Forms System	ARFS	D56	ADMN
Automated Underwriting System	AUS	F17A	Housing
Bond Mapper or Bond Payment	Bonds	D08	OCFO
Case Binder Tracking System	CBTS	F17B	Housing
Client Activity Reporting System	CARS	P217	Housing

Appendix A: LSDP Systems Crosswalks

System Name	System Short Name	System ID	Organization
Client Information System (Young vs. HUD)	CIS	N29	Fair Housing and Equal Opportunity (FHEO)
Compliance and Enforcement Database	CAED	P204	Office of Health Homes and Lead Hazard Control (OHHLHC)
Computerized Homes Underwriting Management System	CHUMS	F17	Housing
Consolidated Cost & FTE Files	CCFF	A91	OCFO
Consolidated Single Family Statistical System	CSFSS	F42	Housing
Correspondence Management System	CMS	H27A	ADMN
CPD Grants Management Process	GMP	C07A	Office of the Chief Procurement Officer (OCPO)
CPD Integrated Disbursement & Information System	IDIS	C04	OCPO
Credit Alert Interactive Voice Response	CAIVRS	F57	Housing
Customer Assessment Sub-System	CASS	P091	Real Estate Assessment Center (REAC)
Defensive Litigation Tracking System	DLTS	J07A	Office of General Counsel (OGC)
Deliverable Management Module	DMM	P142	ADMN
Departmental Accounts Receivable Tracking/Collection System	DARTS	D21	OCFO
Departmental Organization Code System	DOCS	D51	ADMN
Development Application Processing System	DAP	F24A	Housing
Direct Distribution System	DDS	D74A	ADMN
Direct Distribution System SpectrumPlus	DDS S+	D074	ADMN
Disaster Recovery Grant Reporting System	DRGRS	C08A	OCPO
Disposition Program Compliance System	DPCS	P177	Housing
Distributive Shares and Refund Subsystem	DSRS	A80D	Housing
Economic Development System	EDSys	C02	OCPO
Electronic Capital Planning Investment Control	eCPIC	D89A	OCIO
Emergency Contact System	ECS	P166	ADMN
Empowerment Zone/Enterprise Community Initiative Application Evaluation System (EZ/EC IAES)	EZ/EC MIS	P008	OCPO

Appendix A: LSDP Systems Crosswalks

System Name	System Short Name	System ID	Organization
Empowerment Zones/Enterprise Communities Performance Measurement System (RC/EZ/EC PERMS)	EZ/EC	C39	OCPO
Enforcement Center Imaging	ECI	V01A	OGC
Enforcement Center Program Compliance Integration System-DECMS	ECPCIS-DECMS	V02A	OGC
Enterprise Architecture Management System	EAMS	P156	OCIO
Enterprise Data Delivery Service	EDDS	P121	OCIO
Enterprise Income Verification	EIV	P181	Public and Indian Housing (PIH)
Equal Employment Opportunity TRACS	EEOTRACS	D55	Office of Departmental Equal Employment Opportunity (ODEEO)
ETS Interface	eTravel	P221	OCFO
EZBudget Formulation System	EZB	D61	OCFO
Facilities Integrated Resource Management System	FIRMS	D67A	ADMN
Fair Lending Resource Portal	FLRP	P186	FHEO
Faith-Based and Community Communication System	FBCCS	P205	OS
Federal Assistance Award Data	FAADS	A51	OCIO
FedTraveler.com	eTravel	P001	OCFO
FHA Connection	FHAC	F17C	Housing
FHA Subsidiary Ledger	FHA-SL	P013	Housing
Financial Assessment Sub-System Public Housing Agency	FASS-PHA	P093	REAC
Financial Assessment Sub-System-FHA	FASS-FHA	P092	REAC
Financial Data Mart	FDM	A75R	OCFO
FOIA Management System	FMS	P083	OGC
Generic Debt Management System	GDEBT	F71A	Housing
Geocoding Service Center	GSC	A15	RR
Grants Interface Management System	GIMS	P017	OCIO
HATS/PERIS NFC FTP	HPNFC	D72P	ADMN
HIIPS Automated Processing System	HAPS	D92A	OCIO
Home Equity Conversion Mortgages	HECM	F12	Housing

Appendix A: LSDP Systems Crosswalks

System Name	System Short Name	System ID	Organization
Hospital Mortgage Insurance Management Information System	HMIMIS	P046	Housing
Housing Counseling System	HCS	F11	Housing
HPS-Small Purchase System	HPS/SPS	P035	OCPO
HTA Faculty Application	HTAFA	P172	ADMN
HUD Application Release Tracking System	HARTS	D82A	OCIO
HUD Central Accounting and Program System/ Federal Financial System	HUDCAPS	A75	OCFO
HUD Client Information and Policy System	HUDCLIPS	D41	ADMN
HUD Communication Manager	HCM	D49	ADMN
HUD Form 903 (Fair Housing Complaint Form)	HUD903	E15A	FHEO
HUD Incident Management System	HIMS	P191	ADMN
HUD Integrated Human Resources and Training System	HIHRTS	P162	ADMN
HUD Integrated Performance Reporting System	HIPRS	P028	Office of Departmental Operation and Coordination (ODOC)
HUD Multimedia Vault System	HMVS	P126	ADMN
HUD Organizational Mailing System	HOMS	P160	ADMN
HUD Procurement System	HPS	A35	OCPO
HUD Program Inventory	HPI	P147	ADMN
HUD Travel Management System	HTMS	P001	OCFO
HUD.gov	HUDGOV	P068	ODOC
HUD's Consolidated Financial Statement System	HCFS	A39	OCFO
HUDweb (HUD@work)	HUDWEB	P069	ODOC
Human Resource Action Tracking System	HATS	D72	ADMN
HVU Download	HVUD	P182	ADMN
Institution Master File	IMF	F51	Housing
Integrated Assessment Sub-System	NASS	P100	REAC
Interstate Land Sales Registration/Real Estate settlement Procedures Act compliance tracking system	ILSR	P030	Housing
Labor Relations 2000	LR2000	H09	OS

Appendix A: LSDP Systems Crosswalks

System Name	System Short Name	System ID	Organization
Legal Assessment of Workload System	LAWS	J05A	OGC
Lender Assessment Sub-System	LASS	P096	Housing
Line of Credit Control System	LOCCS	A67	OCFO
Loan Accounting System	LAS	A21	OCFO
Management Assessment Sub-System REAC	MASS-R	P097	REAC
Mark-To-Market	M2M	F24B	Housing
Merit Staffing Control System	MSCS2	P072	ADMN
Monitoring and Planning System	MAPS	P216	PIH
Multifamily Delinquency and Default Reporting System	MDDR	P057	Housing
Multifamily Insurance	MFIS	F47	Housing
Multifamily Insurance Claims	MFIC	F75	Housing
ODOC Services	ODOCS	P140	ODOC
Office of General Counsel Enterprise Tracking System	OGC-ETS	P195	OGC
Office of Program Enforcement Tracking System	OPETS	J03	OGC
Official Personnel File Tracking System	OPFTS	P029	ADMN
OHR Office of Personnel & Training Inquiry System	OPTIS	D05	ADMN
Online Application System Implemented for the Secretary	OASES	P159	OS
Performance Accountability and Communication System (PACS/EPACS)	PACS	P138	ADMN
Personal Computer Time and Attendance Remote Entry	PC-TARE	D43	ADMN
Personal Services Cost Reporting Subsystem	PSCR	A75I	OCFO
Personnel Information System	PERIS	D60	ADMN
Physical Assessment Sub-System-PIH/REAC	PASS-R	P109	REAC
PIH Information Center (PIC)	PIC	P113	PIH
Prepared by Client Tracking Database	PBC	P148	OCFO
Printing Estimating and Tracking System	PETS	P173	ADMN
Program Accounting System	PAS	A96	OCFO
Public Affairs Media System	PAMS	P197	Office of Public Affairs

Appendix A: LSDP Systems Crosswalks

System Name	System Short Name	System ID	Organization
Public Inquiry Communication Subsystem	PICS	A80Q	Housing
Quality Assessment Sub-System	QASS	P107	REAC
Quality Management Review Program	QMRP	P130	ODOC
Quarterly Progress Reporting System	QPRS	P192	OHHLHC
Real Estate Management System	REMS	F24D	Housing
Regulations Information System	RIS	J04	OGC
Renewal Communities/Empowerment Zones/Enterprise Communities Locator	RC/EZ/EC LOC	D77A	OCPO
Resident Assessment Sub-System	RASS-P	P089	REAC
Rural Housing and Economic Development Program System	RHEDPS	P041	OCPO
Scheduall	SCHEDUALL	D50A	ADMN
Section 235 Automated Validating and Editing	SAVE	A65A	OCFO
Section 3 Complaint Tracking System	SCTS	E04	FHEO
Section 8 Budget Outlay Support System	BOSS	D65A	OCFO
Security Control and Tracking System	SCATS	P120	ADMN
Single Family Acquired Asset Management System	SAMS	A80S	Housing
Single Family Default Monitoring Subsystem	SFDMS	F42D	Housing
Single Family Housing Enterprise Data Warehouse	SFHEDW	D64A	Housing
Single Family Insurance System	SFIS	A43	Housing
Single Family Insurance System-Claims Subsystem	CLAIMS	A43C	Housing
Single Family Mortgage Notes	SFMN	A80N	Housing
Single Family Neighborhood Watch	SFNW	A80W	Housing
Single Family Premium Collection Subsystem-Periodic	SFPCS-P	A80B	Housing
Single Family Premiums Collection Subsystem - Upfront	SFPCS	A80R	Housing
Single Family/Multifamily Asset Sales System	SFASEL	F92A	Housing
Special Needs Assistance Programs	SNAPS	C38	OCPO
STAR Web	STARWeb	P193	ADMN
Telephone Directory and Locator System	TDLS	A62	ADMN
Tenant Eligibility Assessment Sub-system	TASS	P106	REAC

System Name	System Short Name	System ID	Organization
Tenant Rental Assistance Certification System	TRACS	F87	Housing
Title I Insurance and Claims	TIIS	F72	Housing
Title I Notes Servicing (Debt Collection and Asset Management System)	DCAMS	F71	Housing
Title V	TITLEV	C38I	OCPO
Title VIII Automated Paperless Office Tracking System	TEAPOTS	E08A	FHEO
Total Estimation & Allocation Mechanism - Resource Estimation & Allocation Process (TEAM-REAP)	TEAM-REAP	D91A	OCFO
Training Announcement/Nomination and Confirmation System	TANCS	D19	ADMN
Training Needs Assessment	TNA	P180	ADMN
Voucher Management System	VMS	P224	PIH
Web Access Security Sub-System	WASS	P104	REAC

A.4 HUD Systems by Organization

Organization	System Name	System Short Name	System ID
Administration (ADMN)	Administrative Client Request/Response System	ACRS	D04
ADMN	Assistant Secretary for Administration Assignment Status Tracking System	ASAASTS	P065
ADMN	Automated Correspondence On-Line Response Network	ACORN II	H05
ADMN	Automated Retirement Forms System	ARFS	D56
ADMN	Correspondence Management System	CMS	H27A
ADMN	Deliverable Management Module	DMM	P142
ADMN	Departmental Organization Code System	DOCS	D51
ADMN	Direct Distribution System	DDS	D74A
ADMN	Direct Distribution System SpectrumPlus	DDS S+	D074
ADMN	Emergency Contact System	ECS	P166
ADMN	Facilities Integrated Resource Management System	FIRMS	D67A
ADMN	HATS/PERIS NFC FTP	HPNFC	D72P

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Organization	System Name	System Short Name	System ID
ADMN	HTA Faculty Application	HTAFA	P172
ADMN	HUD Client Information and Policy System	HUDCLIPS	D41
ADMN	HUD Communication Manager	HCM	D49
ADMN	HUD Incident Management System	HIMS	P191
ADMN	HUD Integrated Human Resources and Training System	HIHRTS	P162
ADMN	HUD Multimedia Vault System	HMVS	P126
ADMN	HUD Organizational Mailing System	HOMS	P160
ADMN	HUD Program Inventory	HPI	P147
ADMN	Human Resource Action Tracking System	HATS	D72
ADMN	HVU Download	HVUD	P182
ADMN	Merit Staffing Control System	MSCS2	P072
ADMN	Official Personnel File Tracking System	OPFTS	P029
ADMN	OHR Office of Personnel & Training Inquiry System	OPTIS	D05
ADMN	Performance Accountability and Communication System (PACS/EPACS)	PACS	P138
ADMN	Personal Computer Time and Attendance Remote Entry	PC-TARE	D43
ADMN	Personnel Information System	PERIS	D60
ADMN	Printing Estimating and Tracking System	PETS	P173
ADMN	Scheduall	SCHEDUALL	D50A
ADMN	Security Control and Tracking System	SCATS	P120
ADMN	STAR Web	STARWeb	P193
ADMN	Telephone Directory and Locator System	TDLS	A62
ADMN	Training Announcement/Nomination and Confirmation System	TANCS	D19
ADMN	Training Needs Assessment	TNA	P180
Fair Housing and Equal Opportunity (FHEO)	Client Information System (Young vs. HUD)	CIS	N29
FHEO	Fair Lending Resource Portal	FLRP	P186
FHEO	HUD Form 903 (Fair Housing Complaint Form)	HUD903	E15A
FHEO	Section 3 Complaint Tracking System	SCTS	E04
FHEO	Title VIII Automated Paperless Office Tracking System	TEAPOTS	E08A

Appendix A: LSDP Systems Crosswalks

Organization	System Name	System Short Name	System ID
Housing	Active Partners Performance System	APPS	F24P
Housing	Albany Financial Operations Center System	AFOCS	P007
Housing	Approval & Recertification Tracking System	ARRTS	F51A
Housing	Automated Underwriting System	AUS	F17A
Housing	Case Binder Tracking System	CBTS	F17B
Housing	Client Activity Reporting System	CARS	P217
Housing	Computerized Homes Underwriting Management System	CHUMS	F17
Housing	Consolidated Single Family Statistical System	CSFSS	F42
Housing	Credit Alert Interactive Voice Response	CAIVRS	F57
Housing	Development Application Processing System	DAP	F24A
Housing	Disposition Program Compliance System	DPCS	P177
Housing	Distributive Shares and Refund Subsystem	DSRS	A80D
Housing	FHA Connection	FHAC	F17C
Housing	FHA Subsidiary Ledger	FHA-SL	P013
Housing	Generic Debt Management System	GDEBT	F71A
Housing	Home Equity Conversion Mortgages	HECM	F12
Housing	Hospital Mortgage Insurance Management Information System	HMIMIS	P046
Housing	Housing Counseling System	HCS	F11
Housing	Institution Master File	IMF	F51
Housing	Interstate Land Sales Registration/Real Estate settlement Procedures Act compliance tracking system	ILSR	P030
Housing	Lender Assessment Sub-System	LASS	P096
Housing	Mark-To-Market	M2M	F24B
Housing	Multifamily Delinquency and Default Reporting System	MDDR	P057
Housing	Multifamily Insurance	MFIS	F47
Housing	Multifamily Insurance Claims	MFIC	F75
Housing	Public Inquiry Communication Subsystem	PICS	A80Q
Housing	Real Estate Management System	REMS	F24D
Housing	Single Family Acquired Asset Management System	SAMS	A80S
Housing	Single Family Default Monitoring Subsystem	SFDMS	F42D

Appendix A: LSDP Systems Crosswalks

Organization	System Name	System Short Name	System ID
Housing	Single Family Housing Enterprise Data Warehouse	SFHEDW	D64A
Housing	Single Family Insurance System	SFIS	A43
Housing	Single Family Insurance System-Claims Subsystem	CLAIMS	A43C
Housing	Single Family Mortgage Notes	SFMN	A80N
Housing	Single Family Neighborhood Watch	SFNW	A80W
Housing	Single Family Premium Collection Subsystem-Periodic	SFPCS-P	A80B
Housing	Single Family Premiums Collection Subsystem - Upfront	SFPCS	A80R
Housing	Single Family/Multifamily Asset Sales System	SFASEL	F92A
Housing	Tenant Rental Assistance Certification System	TRACS	F87
Housing	Title I Insurance and Claims	TIIS	F72
Housing	Title I Notes Servicing (Debt Collection and Asset Management System)	DCAMS	F71
Office of the Chief Financial Officer (OCFO)	Administrative Accounting-Personal Services Cost Reporting Subsystem	PSCRS	A75I
OCFO	Audit Resolution and Corrective Action Tracking System	ARCATS	P136
OCFO	Bond Mapper or Bond Payment	Bonds	D08
OCFO	Consolidated Cost & FTE Files	CCFF	A91
OCFO	Departmental Accounts Receivable Tracking/Collection System	DARTS	D21
OCFO	ETS Interface ¹⁷	eTravel	P221
OCFO	EZBudget Formulation System	EZB	D61
OCFO	Financial Data Mart	Financial-DM	A75R
OCFO	HUD Travel Management System/FedTraveler.com	HTMS/eTravel	P001
OCFO	HUD Central Accounting and Program System/ Federal Financial System	HUDCAPS	A75
OCFO	HUD's Consolidated Financial Statement System	HCFSS	A39
OCFO	Line of Credit Control System	LOCCS	A67
OCFO	Loan Accounting System	LAS	A21

¹⁷The LSDP has treated eTravel and HTMS as one system (P001) per HUD guidance in the 9/15/2005 working session. HUD is planning to close out P221, eTravel interface and continue to use P001 as the system id for the travel system.

Appendix A: LSDP Systems Crosswalks

Organization	System Name	System Short Name	System ID
OCFO	Prepared by Client Tracking Database	PBC	P148
OCFO	Program Accounting System	PAS	A96
OCFO	Section 235 Automated Validating and Editing	SAVE	A65A
OCFO	Section 8 Budget Outlay Support System	BOSS	D65A
OCFO	Total Estimation & Allocation Mechanism - Resource Estimation & Allocation Process (TEAM-REAP)	TEAM-REAP	D91A
Office of the Chief Information Officer (OCIO)	Automated Bankcard System - Customer Service Division	ABS-CSD	P075
OCIO	Electronic Capital Planning Investment Control	eCPIC	D89A
OCIO	Enterprise Architecture Management System	EAMS	P156
OCIO	Enterprise Data Delivery Service	EDDS	P121
OCIO	Federal Assistance Award Data	FAADS	A51
OCIO	Grants Interface Management System	GIMS	P017
OCIO	HIIPS Automated Processing System	HAPS	D92A
OCIO	HUD Application Release Tracking System	HARTS	D82A
Office of the Chief Procurement Officer (OCPO)	CPD Integrated Disbursement & Information System	IDIS	C04
OCPO	CPD Grants Management Process	GMP	C07A
OCPO	Disaster Recovery Grant Reporting System	DRGRS	C08A
OCPO	Economic Development System	EDSys	C02
OCPO	Empowerment Zone/Enterprise Community Initiative Application Evaluation System (EZ/EC IAES)	EZ/EC MIS	P008
OCPO	Empowerment Zones/Enterprise Communities Performance Measurement System (RC/EZ/EC PERMS)	EZ/EC	C39
OCPO	HPS-Small Purchase System	HPS/SPS	P035
OCPO	HUD Procurement System	HPS	A35
OCPO	Renewal Communities/Empowerment Zones/Enterprise Communities Locator	RC/EZ/EC LOC	D77A
OCPO	Rural Housing and Economic Development Program System	RHEDPS	P041
OCPO	Special Needs Assistance Programs	SNAPS	C38
OCPO	Title V	TITLEV	C38I

Appendix A: LSDP Systems Crosswalks

Organization	System Name	System Short Name	System ID
Office of Departmental Operation and Coordination (ODOC)	HUD.gov	HUDGOV	P068
ODOC	HUD Integrated Performance Reporting System	HIPRS	P028
ODOC	HUDweb (HUD@work)	HUDWEB	P069
ODOC	ODOC Services	ODOCS	P140
ODOC	Quality Management Review Program	QMRP	P130
Office of Departmental Equal Employment Opportunity (ODEEO)	Equal Employment Opportunity TRACS	EEOTRACS	D55
Office of Field Policy and Management (FPM)	Assistant Secretary for Administration Assignment Status Tracking System/Office of Field Policy and Management	ASAASTS/FPM	PO65F
Office of General Counsel (OGC)	Defensive Litigation Tracking System	DLTS	J07A
OGC	Enforcement Center Imaging	ECI	V01A
OGC	Enforcement Center Program Compliance Integration System-DECMS	ECPCIS-DECMS	V02A
OGC	FOIA Management System	FMS	P083
OGC	Legal Assessment of Workload System	LAWS	J05A
OGC	Office of General Counsel Enterprise Tracking System	OGC-ETS	P195
OGC	Office of Program Enforcement Tracking System	OPETS	J03
OGC	Regulations Information System	RIS	J04
Office of Health Homes and Lead Hazard Control (OHHLHC)	Compliance and Enforcement Database	CAED	P204
OHHLHC	Quarterly Progress Reporting System	QPRS	P192
Office of Public Affairs	Public Affairs Media System	PAMS	P197
Office of the Secretary (OS)	Administrative Law Judge Case Monitoring System	MONITOR	H17B
OS	Assistant Secretary for Administration Assignment Status Tracking System/Office of Small and Disadvantaged Business Utilization	ASAASTS/OSDBU	P065S

Appendix A: LSDP Systems Crosswalks

Organization	System Name	System Short Name	System ID
OS	Assistant Secretary of Administration Assignment Status Tracking System/Office of Disability Policy	ASAASTS/ODP	P214
OS	Faith-Based and Community Communication System	FBCCS	P205
OS	Labor Relations 2000	LR2000	H09
OS	Online Application System Implemented for the Secretary	OASES	P159
Public and Indian Housing (PIH)	Enterprise Income Verification	EIV	P181
PIH	Monitoring and Planning System	MAPS	P216
PIH	PIH Information Center (PIC)	PIC	P113
PIH	Voucher Management System	VMS	P224
Real Estate Assessment Center (REAC)	Customer Assessment Sub-System	CASS	P091
REAC	Financial Assessment Sub-System Public Housing Agency	FASS-PHA	P093
REAC	Financial Assessment Sub-System-FHA	FASS-FHA	P092
REAC	Integrated Assessment Sub-System	NASS	P100
REAC	Management Assessment Sub-System REAC	MASS-R	P097
REAC	Physical Assessment Sub-System-PIH/REAC	PASS-R	P109
REAC	Quality Assessment Sub-System	QASS	P107
REAC	Resident Assessment Sub-System	RASS-P	P089
REAC	Tenant Eligibility Assessment Sub-system	TASS	P106
REAC	Web Access Security Sub-System	WASS	P104
RR	Geocoding Service Center	GSC	A15

APPENDIX B. HIFMIP FINANCIAL ENVIRONMENT BY FISCAL YEAR

B. HIFMIP FINANCIAL ENVIRONMENT BY FISCAL YEAR

HIFMIP Phase I: Organizational Preparation

- ◆ Phase I Focus:
 - Vision & Requirements Definition
 - COTS Software Package Selection & Validation
 - Systems Integrator (SI) & Center of Excellence (COE) Selection
 - Planning, Preparing and Organizing for Implementation
- ◆ Phase I End State
 - Clearly Defined HIFMIP Vision
 - Identified COTS software, SI & COE
 - ❖ PeopleSoft selected as basis for ICFS
 - ❖ SI/COE to be selected by April 2006
 - Roadmap for Implementation

HIFMIP Phase II: Implementation of Core Financials

- ◆ Phase II Initiatives:
 - Core Financial Management System Configuration, Testing and Implementation
 - Interface Development
 - Workflow Automation, Business Process Re-engineering, Workforce Realignment and Training
- ◆ Phase II Stages
 - Stage II-1: Implementation of ICFS for HUD OCFO-Managed Organizations
 - Stage II-2: Integration of FHA PeopleSoft with ICFS at COE
 - Stage II-3: Integration of Ginnie Mae PeopleSoft with ICFS at COE
 - Stage II-4: Upgrade of all business areas at COE from PeopleSoft to Oracle's Fusion Architecture—FHA, Ginnie Mae, OCFO-Managed Organizations
 - Stage II-5: Integration of OFHEO with ICFS at COE
- ◆ Phase II End State
 - HUD OCFO-Managed Organizations transitioned to new OFFM-certified COTS supported by qualified COE
 - All four HUD business areas have completed core financial systems modernization
 - FHA, Ginnie Mae, OFHEO, and HUD OCFO-Managed Programs fully integrated at COE using Oracle's Fusion application

HIFMIP Phase III: Operational Systems Enhancements

- ◆ Phase III Initiatives:
 - Address impact of realignment and modernization of program systems by lines of business
 - ❖ Detailed assessment of impact and required ICFS realignment
 - ❖ Timing & nature of the stages may change from assessment
 - ❖ Develop/enhance ICFS interfaces
 - Improve flow of information into core financial system
 - Enhance operational feeder systems and interfaces
 - Integrate additional business functions with core financials
- ◆ Phase III Stages
 - Stage III-1: Subsidiary Financial Systems Enhancements & Interfaces
 - Stage III-2: Program Systems Enhancements & Interfaces
 - Stage III-3: Integration of Budget Formulation/Budget Preparation Capabilities with ICFS
 - Stage III-4: Integration of New Procurement System with ICFS
 - Stage III-5: Integrate DARTS with ICFS
- ◆ Phase III End State
 - ICFS information enhanced to include integrated procurement, budget formulation, travel, and supporting operational systems' financial information
 - ICFS linkages with program systems enhanced and streamlined
 - Disbursing functions consolidated through ICFS to Treasury

HIFMIP Phase IV: Integrated Financial and Program Performance

- ◆ Phase IV Initiatives:
 - Leverage core financial solution to provide holistic management environment
 - Implement decision support, performance management, and customer relationship management solutions
 - Implement financial and enterprise-wide data warehouses
 - Develop necessary feeds into ICFS to support merged programmatic and financial information for enterprise performance management
- ◆ Phase IV Stages
 - Stage IV-1: Financial Data Warehouse (Financial Data Mart replacement)
 - Stage IV-2: Customer Relationship Management System Implementation/Integration
 - Stage IV-3: Decision Support System Implementation/Integration
 - Stage IV-4: Enterprise Performance Management System Implementation/Integration
- ◆ Phase IV End State
 - ICFS integrated with performance & operational information
 - ICFS reports outputs & outcomes of HUD's programs tied to program goals & objectives
 - Enterprise view of financial and programmatic information

Current HUD Financial Systems Environment

- ◆ HUD Financial Management Systems
 - 44 Financial Systems as of September 30, 2005 (4 non-compliant)
 - Many additional mixed, tracking and programmatic systems with financial impact
- ◆ HIFMIP covers 34 systems and 71 interfaces

Financial Systems by HUD Business Area

- ◆ HUD OCFO-Managed Organizations
 - HUDCAPS for general ledger
 - Based on CGI-AMS's Federal Financial System (FFS)
 - FFS no longer being maintained for OFFM-certification
 - PAS & LOCCS additional major financial applications
 - Supported by multiple financial and program systems through complex set of interfaces

- ◆ FHA
 - FHA Subsidiary Ledger (SL) for general ledger
 - Based on PeopleSoft COTS package
 - Multiple program and financial systems supporting FHA's general ledger and revenue accounts

- ◆ Ginnie Mae
 - Macola Accounting System Software (MASS) for general ledger
 - Initiative underway to convert to PeopleSoft COTS at COE
 - Subsidiary systems support Ginnie Mae's general ledger

- ◆ OFHEO
 - Financial Information Management System (FIMS) for general ledger
 - Based on Oracle Financials COTS package

- ◆ Hyperion supports consolidated financial reporting to Treasury for all business areas

HUD OCFO-Managed Organizations' Financial Systems

- ◆ Key Supporting Financial/Mixed Systems:
 - LAS
 - SAVE
 - Bonds
 - GFITS
 - FIRMS
 - DARTS
 - REMS
 - Program Systems, e.g., IDIS, TRACS
 - Financial Data Mart

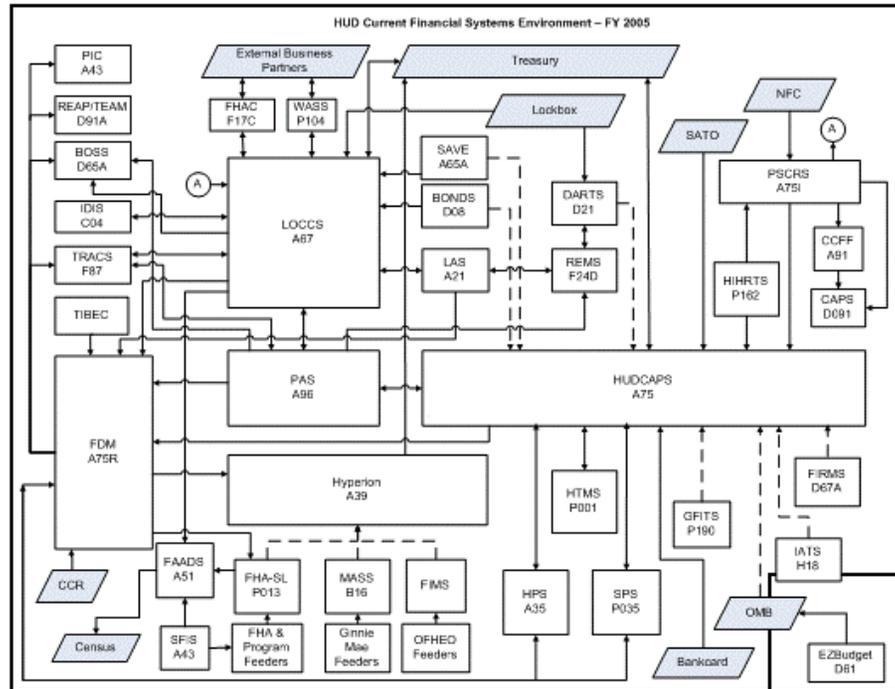
- ◆ Key Interfaces
 - Procurement – HPS, SPS, Bankcard
 - Travel – HTMS/eTravel, IATS, SATO
 - Payroll – NFC
 - Collections & Disbursements – Treasury, Lockbox
 - Vendor & banking information - CCR

- ◆ External Reporting
 - Census (FAADS)
 - OMB (Budget)
 - Treasury (Financial Reporting)

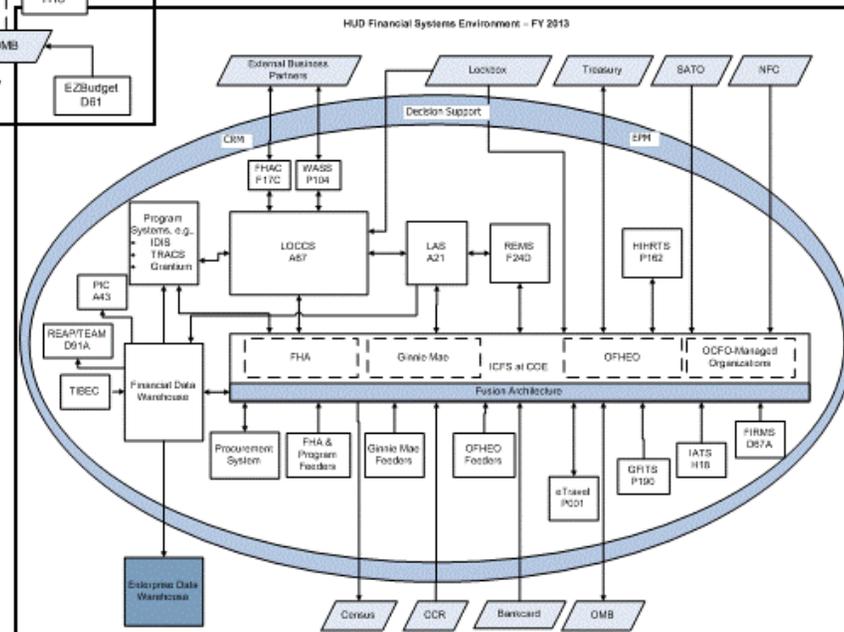
Overview of Proposed Financial Systems Environment

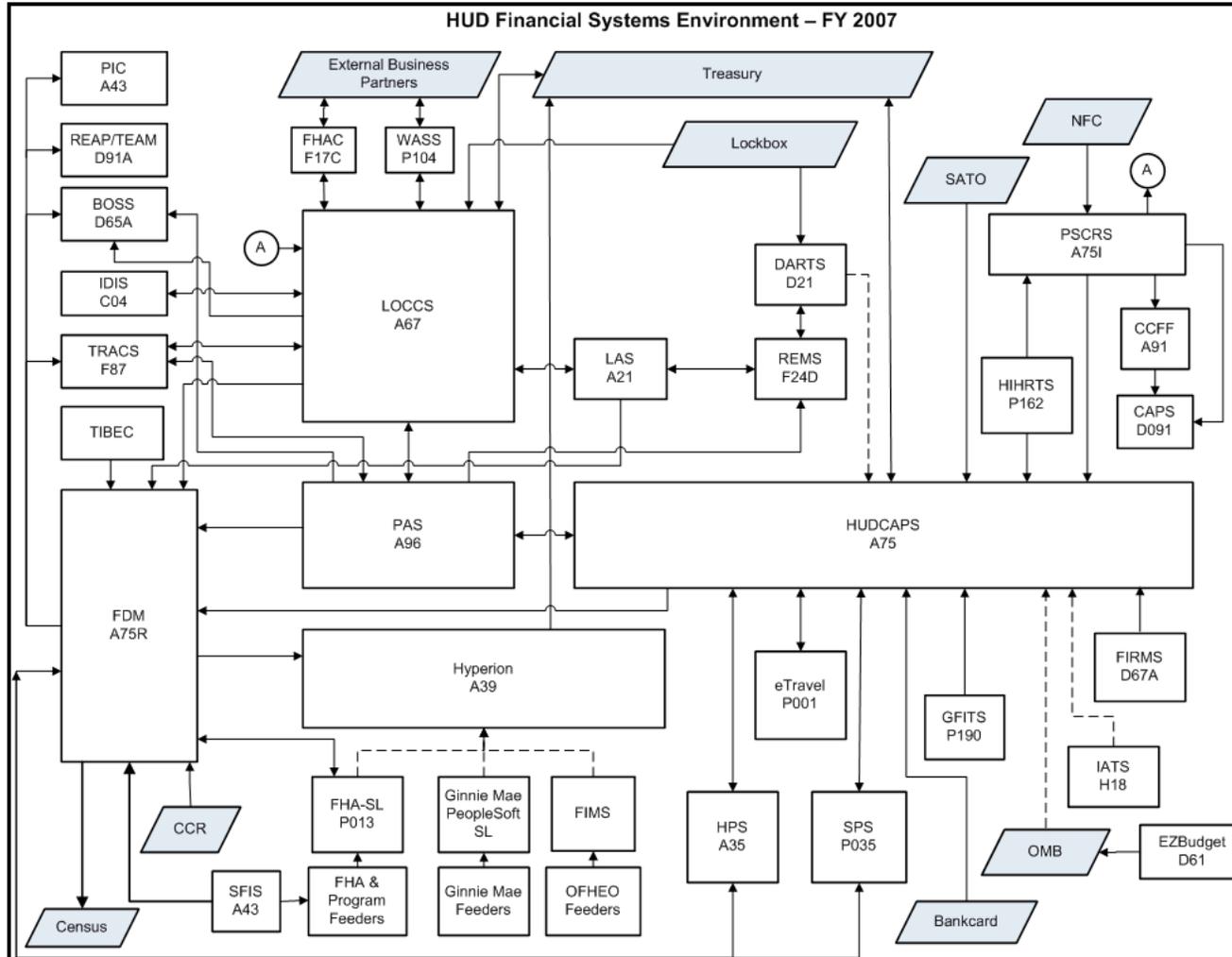
- ◆ HIFMIP Plan covers FY 2005 through FY 2013
- ◆ Systems & interfaces change every year throughout the period
- ◆ Migration diagram illustrates changes over the next eight years (details follow)

HIFMIP Transition from 2005 to 2013



- ◆ From 34 systems to 19 systems
- ◆ From 71 interfaces to 44 interfaces
- ◆ Fully integrated program, financial, & performance information HUD-wide
- ◆ Integrated set of financial applications & decision support tools using Oracle platform

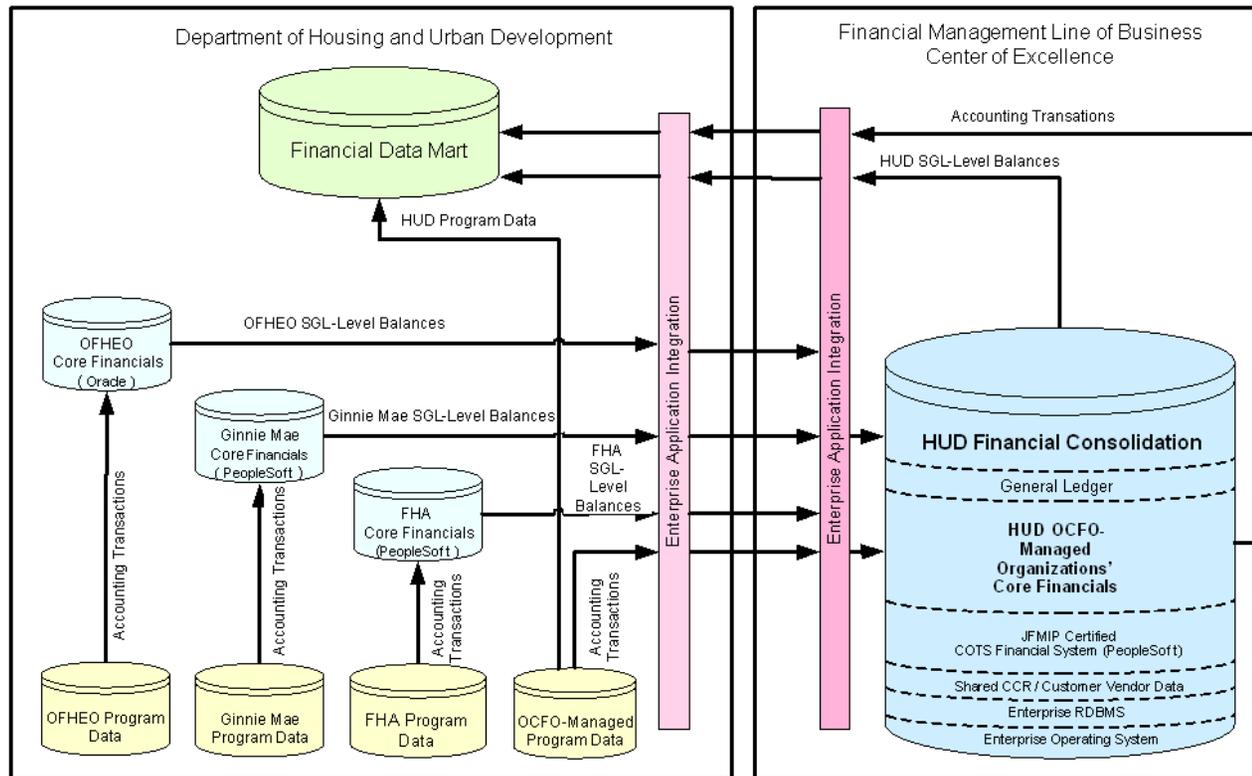




Changes for FY 2007

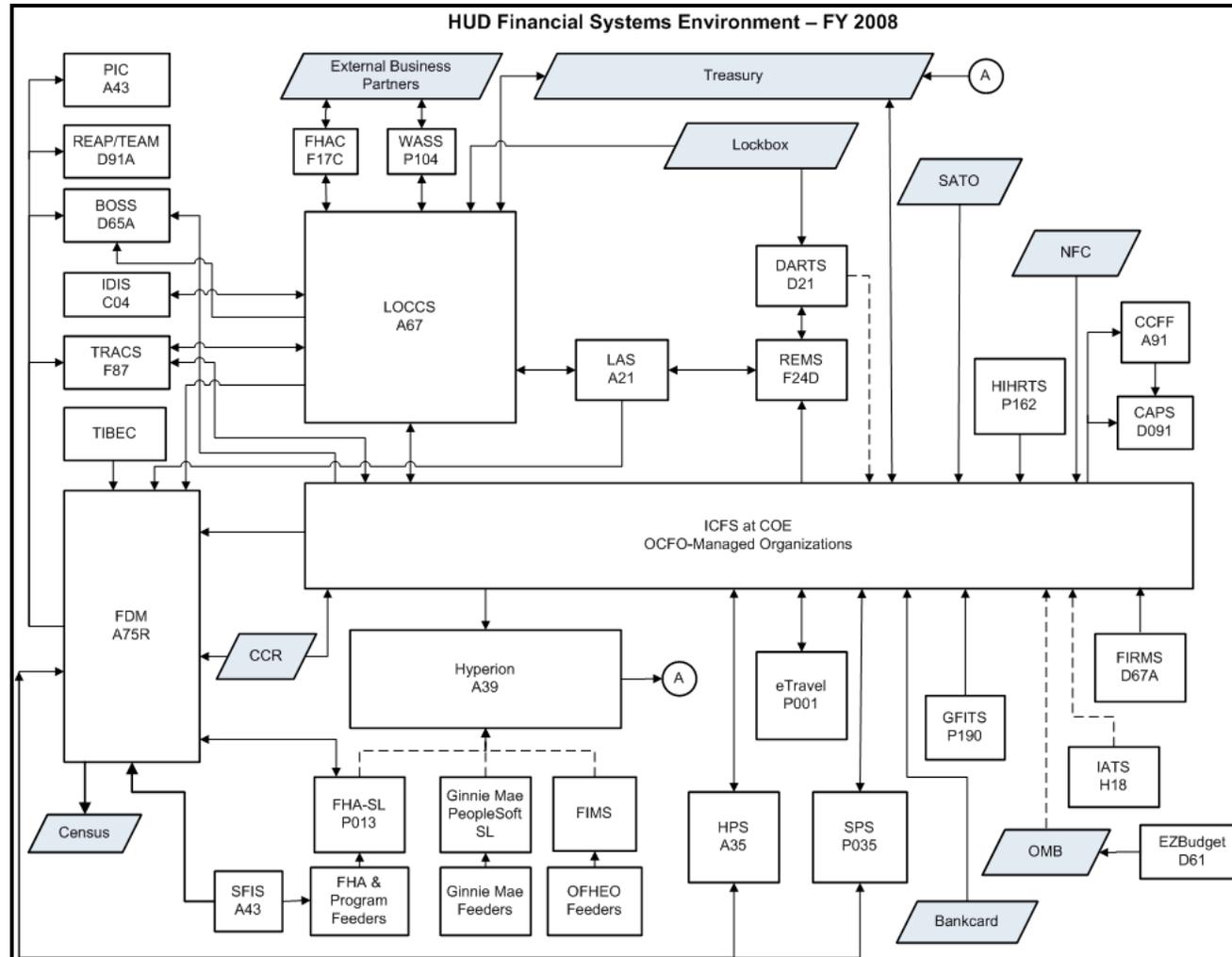
- ◆ Implement Ginnie Mae PeopleSoft general ledger at COE; retire MASS
- ◆ Automate GFITS to HUDCAPS interface
- ◆ Migrate Section 8 Housing Subsidy Functions from HUDCAPS

HIFMIP Systems Architecture – FY 2008



- ◆ Four separate financial system modernization efforts
- ◆ Standard systems, processes, and procedures
- ◆ Focus is HUD OCFO-Managed Organizations - implementation of ICFS using PeopleSoft at COE

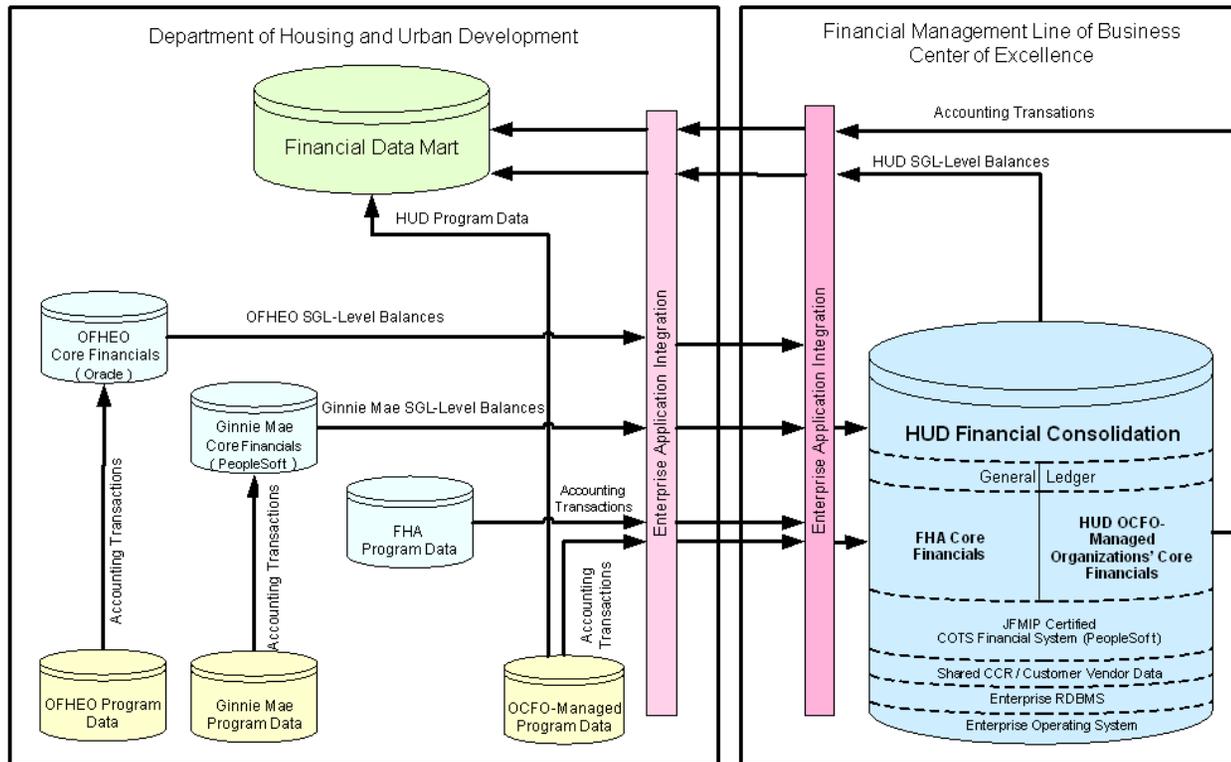
Changes for FY 2008



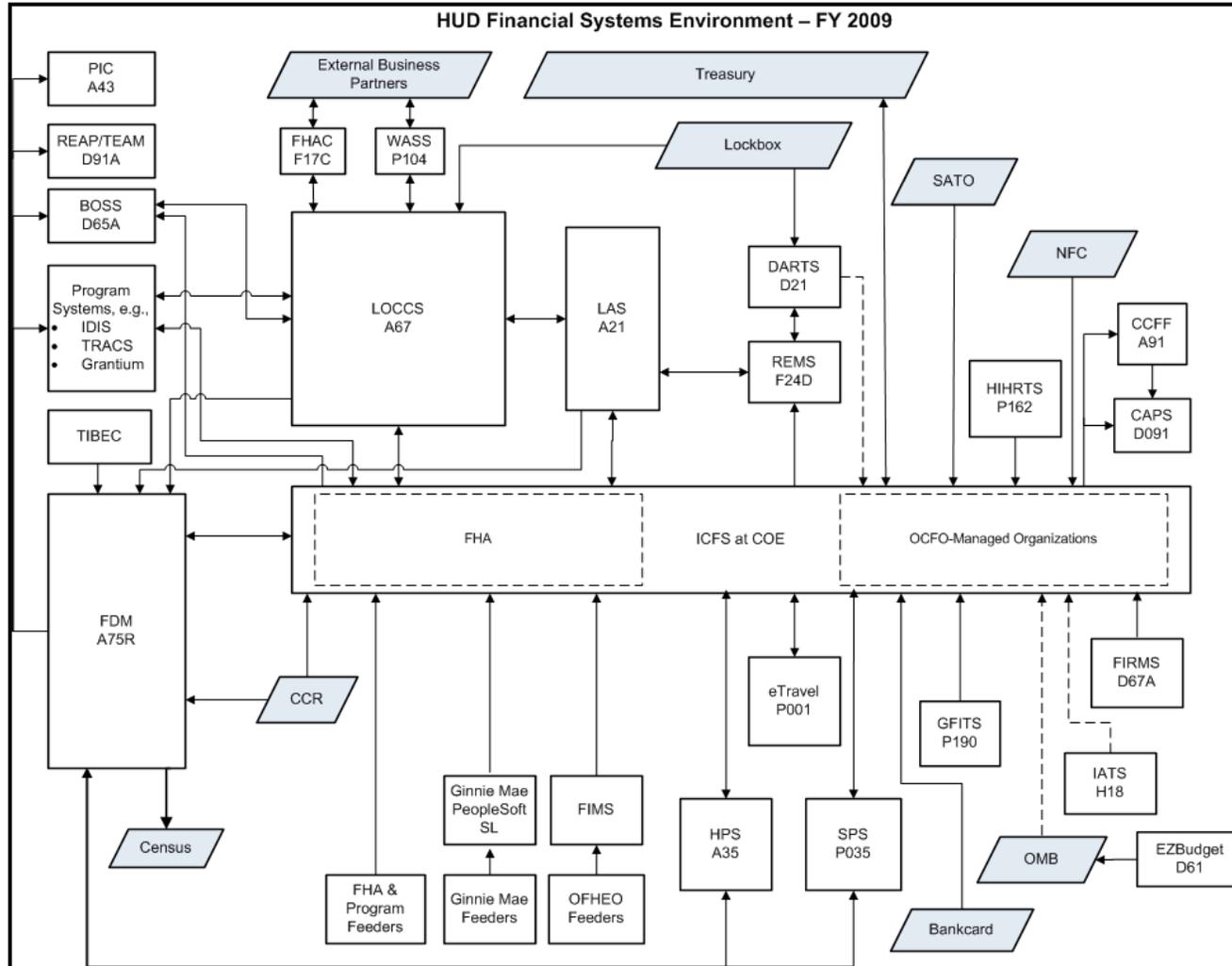
- ◆ Implement ICFS for HUD OCFO-Managed Organizations
- ◆ Retire HUDCAPS, PAS, PSCRS
- ◆ Replace HUDCAPS and PAS interfaces with interfaces to/from ICFS
 - External: Bankcard, NFC, SATO, Treasury, possibly CCR
 - Payroll: HIHRTS, CCFF, CAPS
 - Procurement: HPS, SPS
 - Reporting: FDM, Hyperion, BOSS
 - Subsidiary & Program: DARTS, FIRMS, LOCCS, REMS, TRACS, GFITS
 - Travel: eTravel, IATS

HIFMIP Systems Architecture – FY 2009

FHA Integration at a Center of Excellence
FY 2009



- ◆ FHA PeopleSoft transitions to HUD's COE
- ◆ Requires FHA to be on PeopleSoft Release 8.9 or higher
- ◆ FHA PeopleSoft & ICFS comparison to identify changes and/or modifications necessary to integrate
- ◆ FHA integrates with HUD OCFO-Managed Organizations' ICFS at COE
- ◆ FHA-SL as separate application retired

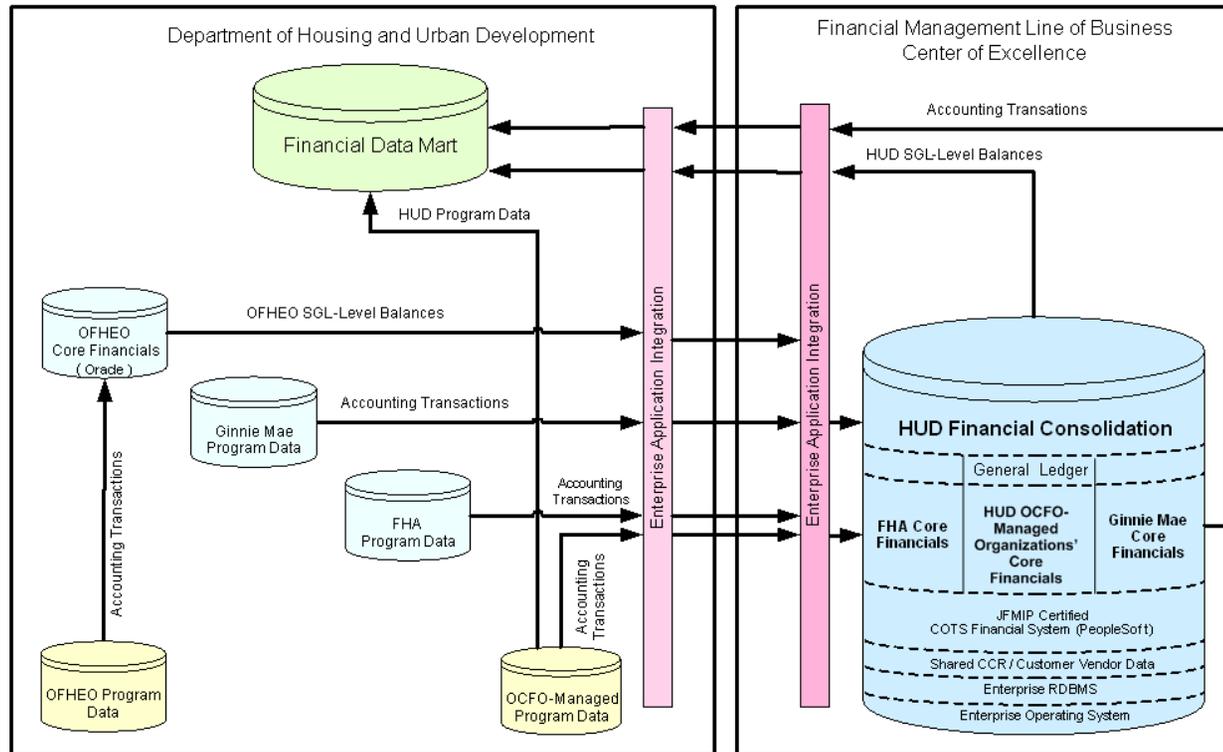


Changes for FY 2009

- ◆ Integrate FHA-SL with ICFS at COE
- ◆ Interface FHA program & feeder systems directly to ICFS
- ◆ Interface Ginnie Mae & OFHEO general ledger/financial statement information directly to ICFS
- ◆ Produce consolidated financial statements using ICFS; retire Hyperion
- ◆ Consolidate disbursing functions using ICFS
- ◆ Enhance, revise or replace interfaces with program and financial feeder systems
 - LAS
 - LOCCS
 - Program systems, e.g., IDIS, TRACS, Grantium

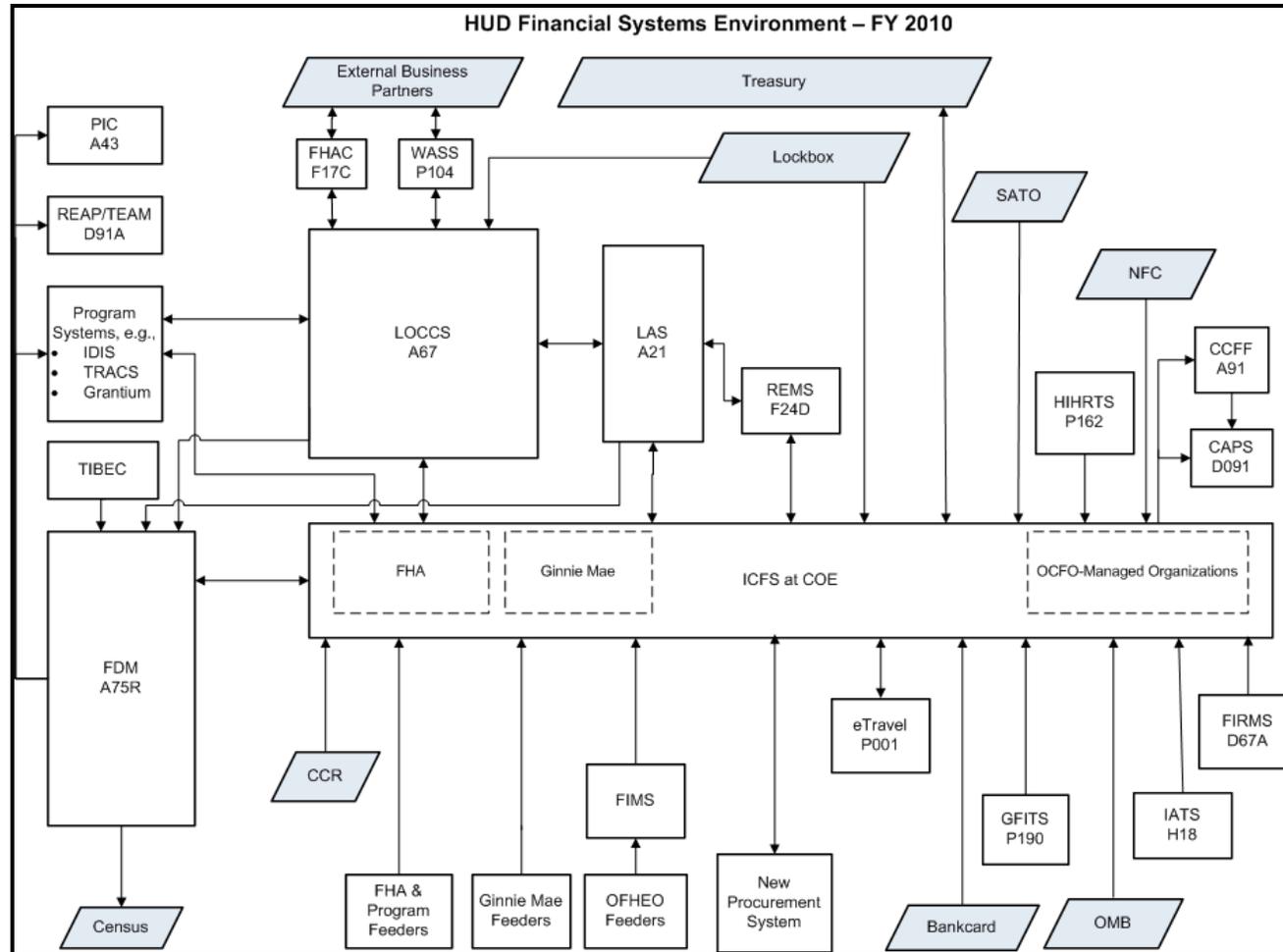
HIFMIP Systems Architecture – FY 2010

Ginnie Mae Integration at a Center of Excellence
FY 2010



- ◆ Ginnie Mae PeopleSoft transitions to HUD's COE
- ◆ Ginnie Mae PeopleSoft & ICFS comparison to determine version, identify modifications (if any) necessary to integrate
- ◆ Ginnie Mae integrates with FHA & HUD OCFO-Managed Organizations' ICFS at COE

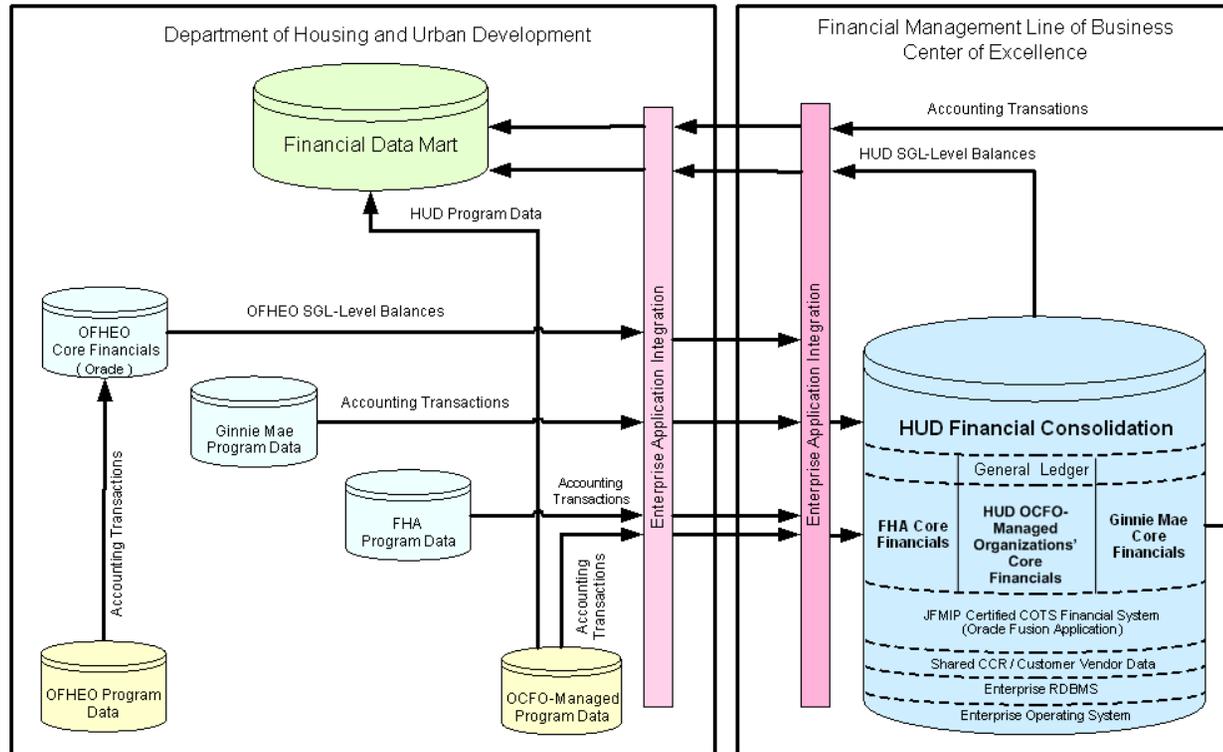
Changes for FY 2010



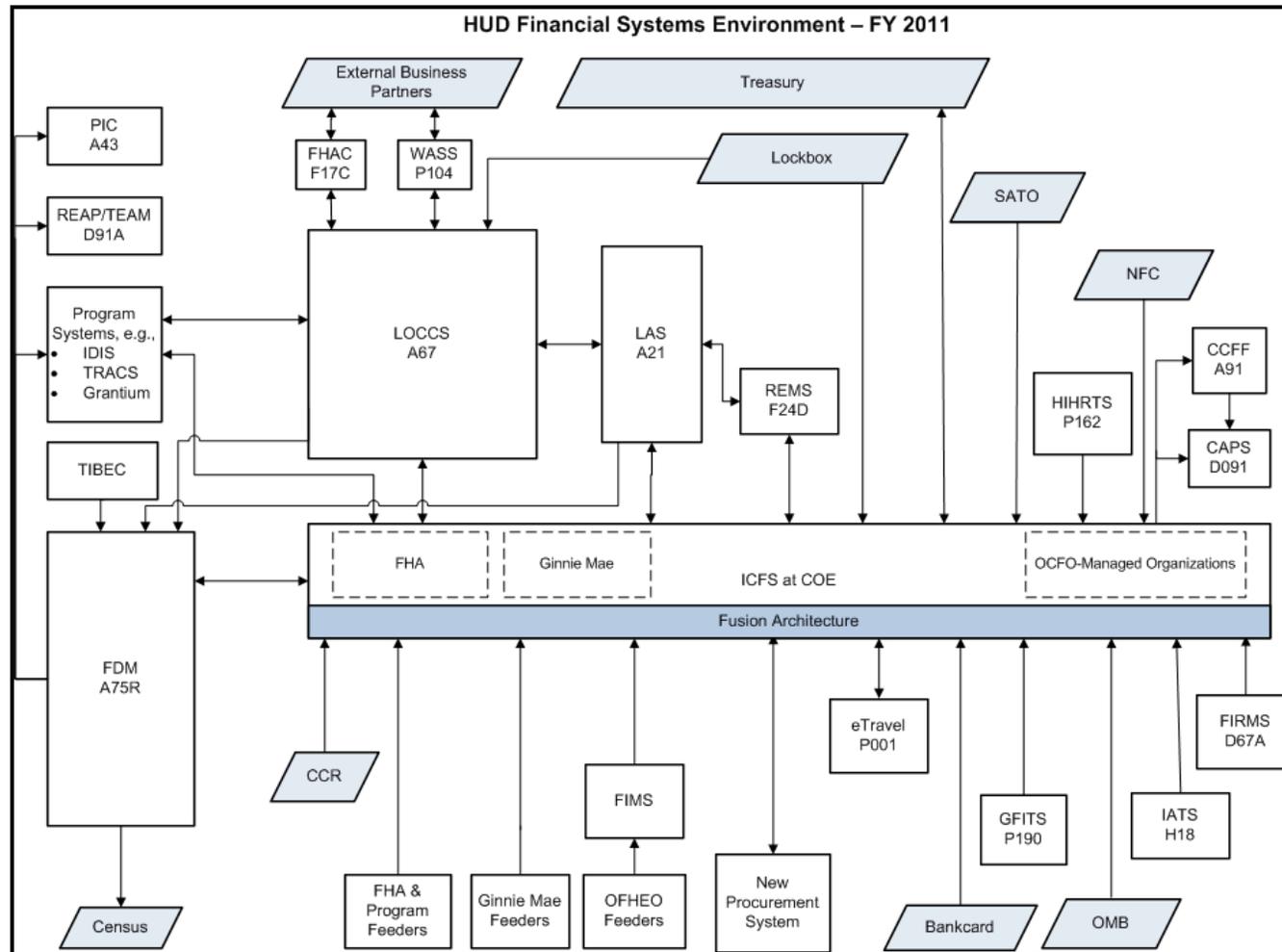
- ◆ Integrate Ginnie Mae PeopleSoft general ledger with ICFS at COE
- ◆ Interface Ginnie Mae feeder systems directly to ICFS
- ◆ Integrate new procurement system real-time interface with ICFS, including CCR data
- ◆ Integrate budget formulation functions with ICFS; retire EZBudget, BOSS
- ◆ Integrate DARTS accounts receivable functions with ICFS; retire DARTS
- ◆ Develop or replace interfaces:
 - Automate budget submissions to/from OMB
 - Automate IATS to ICFS interface
 - Develop ICFS to REMS interface
 - Develop Lockbox to ICFS interface

HIFMIP Systems Architecture – FY 2011

Fusion Upgrade
FY 2011



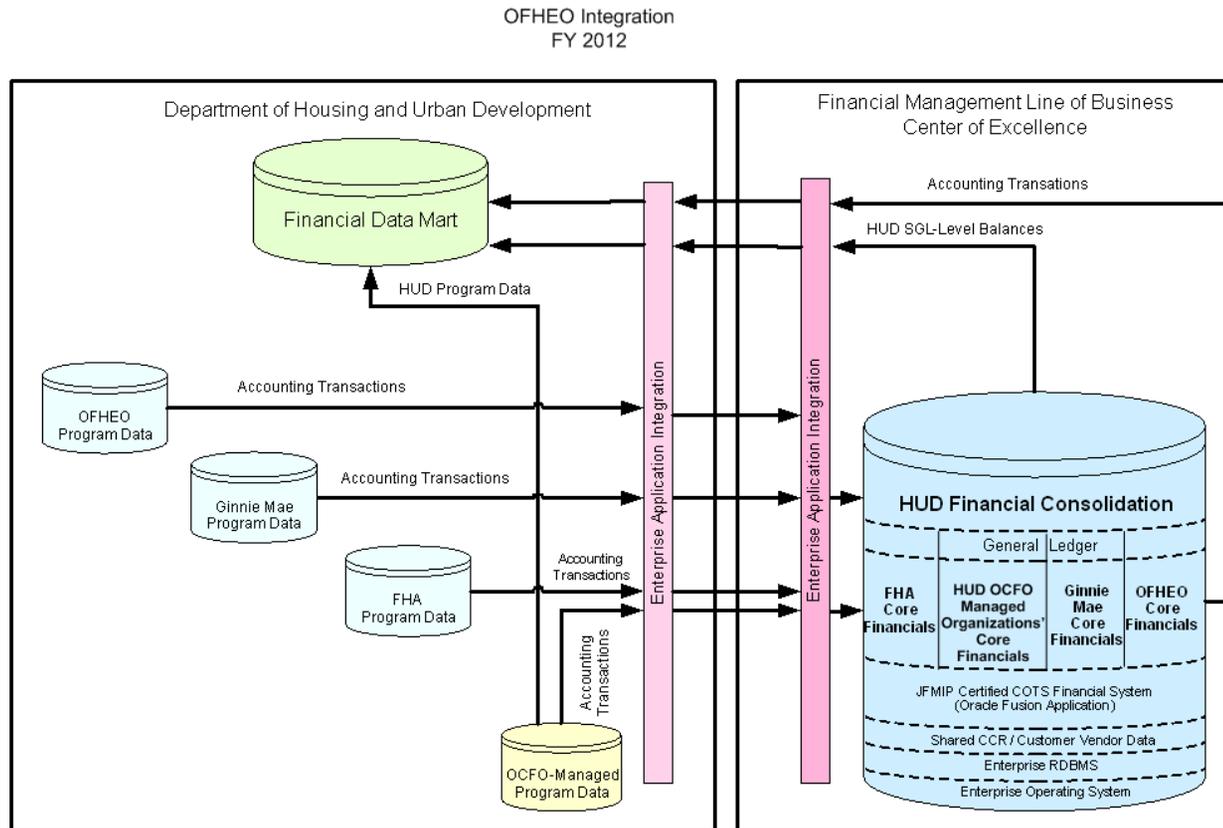
- ◆ Upgrade ICFS at COE to Oracle's Fusion architecture (FHA, Ginnie Mae & OCFO-Managed Organizations)
- ◆ No planned changes to other financial systems or functional environment
- ◆ Conversion of PeopleSoft to Oracle's integrated government financials application
- ◆ Position HUD for full agency-wide financial systems integration



Changes for FY 2011

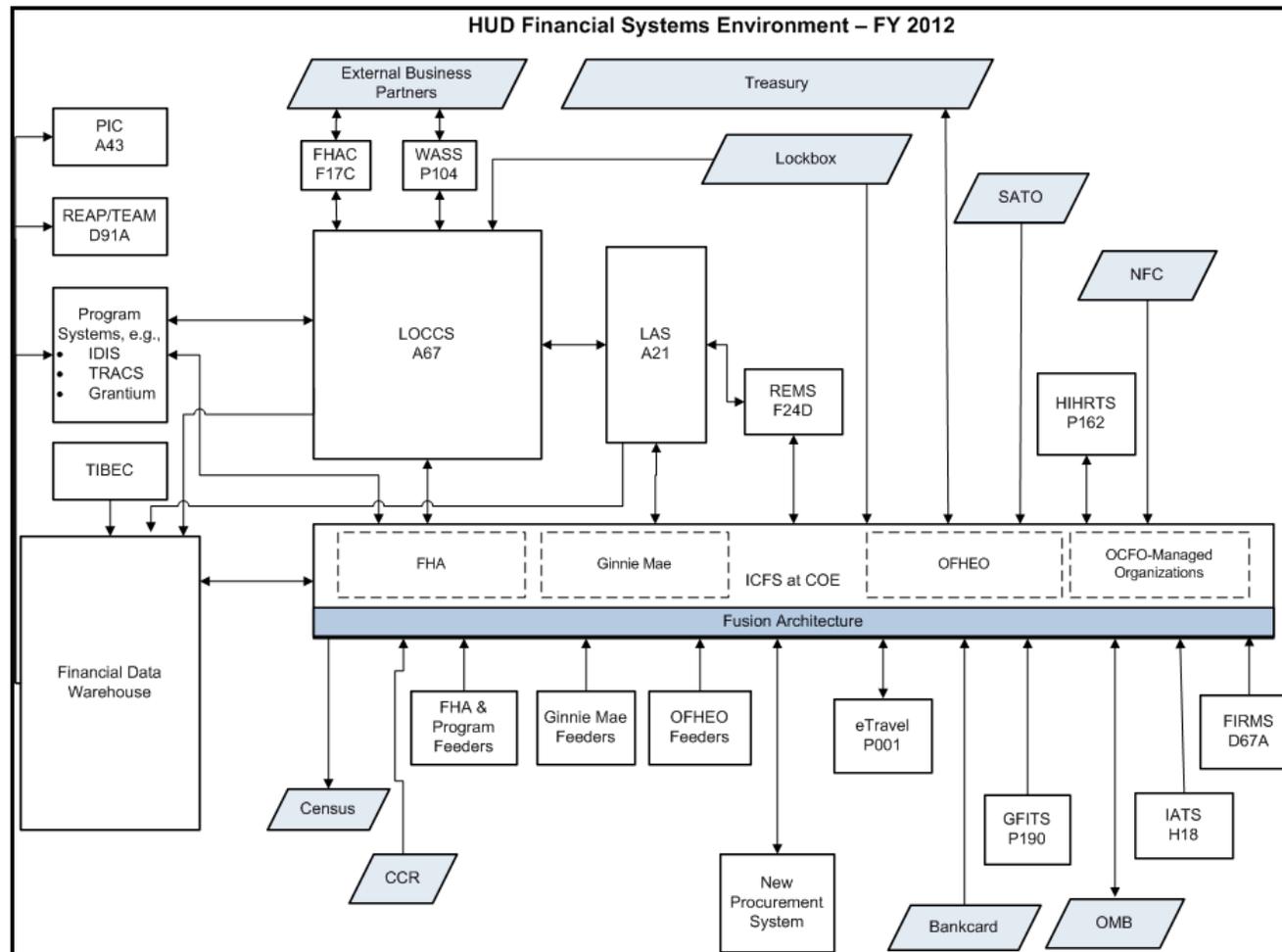
- ◆ Upgrade from PeopleSoft to Oracle Fusion architecture at COE

HIFMIP Systems Architecture – FY 2012



- ◆ Integration of OFHEO at COE
- ◆ OFHEO feeder systems will interface with ICFS (no planned changes to OFHEO feeder systems)
- ◆ FHA, Ginnie Mae, OFHEO & OCFO-Managed Organizations fully integrated
 - Oracle Fusion platform
 - Oracle government financials COTS package
 - Single COE

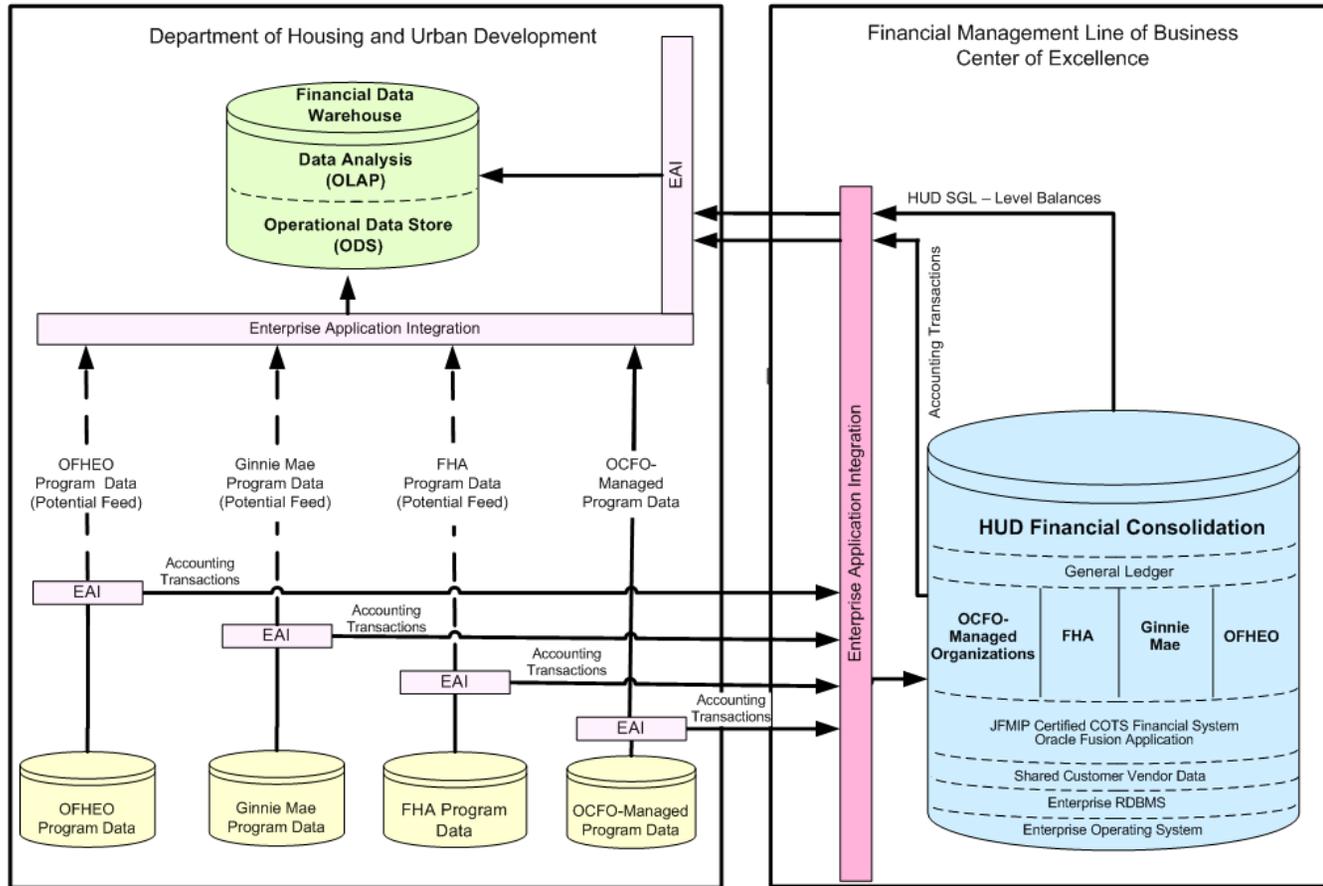
Changes for FY 2012



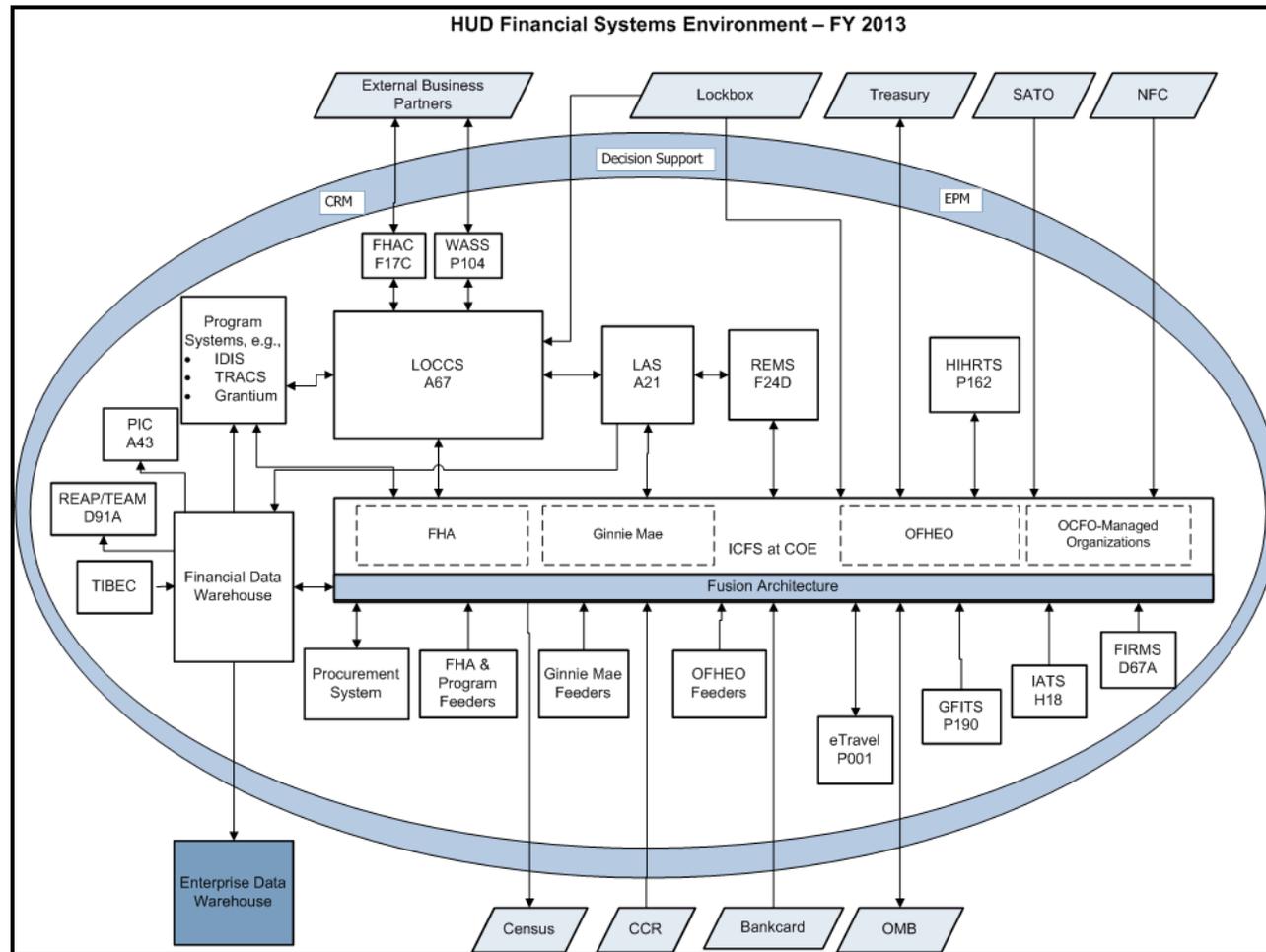
- ◆ Integrate OFHEO with ICFS at COE
- ◆ Enhance interface between ICFS and HIHRTS; retire CCFF & CAPS
- ◆ Implement new Financial Data Warehouse, Enterprise-wide Data Warehouse; retire Financial Data Mart
- ◆ Revise interfaces to/from Financial Data Mart: LAS, PIC, REAP/TEAM, TIBEC

HIFMIP Systems Architecture – FY 2013

Programmatic and Performance Integration FY 2013



- ◆ Implement new Financial Data Warehouse
- ◆ Implement/integrate additional systems and vendor-provided tools to support enterprise-wide integration of program and financial information
 - Decision Support
 - Customer Relationship
 - Performance Management



Changes for FY 2013

- ◆ Implement Decision Support System
- ◆ Implement Customer Relationship Management System
- ◆ Implement Enterprise Performance Management System

APPENDIX C. SYSTEMS DISPOSITION DETAILS

C. SYSTEMS DISPOSITION DETAILS

This appendix provides supporting details for the numbers of HIFMIP systems in place by FY included in Chapter 6. For each FY from FY 2006 to FY 2013, the list of systems in place at the beginning of that FY, the new systems implemented during the year, and the systems retired or replaced during the year are listed by system id and system name.

Table 6-2 summarized the total number of systems within the HIFMIP LSDP scope by FY. This summary is repeated below in Table C-1.

Table C-1. Total HIFMIP Systems by Fiscal Year

	FY 2006	FY 2007	FY 2008	FY 2009	FY 2010	FY 2011	FY 2012	FY 2013
Total Systems – Start of Fiscal Year	34	31	31	29	27	22	22	19
New Systems	1	1	1	0	1	0	1	0 ¹⁸
Retired/Replaced Systems	4	1	3	2	6	0	4	0
Total Systems - End of Fiscal Year	31	31	29	27	22	22	19	19

C.1 FY 2006

For FY 2006, the following system totals are projected:

	FY 2006
Total Systems – Start of Fiscal Year	34
New Systems	1
Retired/Replaced Systems	4
Total Systems - End of Fiscal Year	31

On October 1, 2005, or the beginning of FY 2006, there are 34 systems within the HIFMIP scope as listed in Table 3-4 and repeated here in Table C-2.

Table C-2. HIFMIP Systems at the Start of FY 2006

No.	Office (Owner)	System ID	System Short Name	Name
1.	ADMN	D67A	FIRMS	Facilities Integrated Resources Management System
2.	ADMN	A35	HPS	HUD Procurement System
3.	ADMN	P162	HIHRTS	HUD Integrated Human Resources Training System
4.	ADMN	P035	SPS	Small Purchase System
5.	ADMN	A51	FAADS	Federal Assistance Award Data System

¹⁸ Additional tools are planned for FY 2013, but these are not financial or mixed systems.

Appendix C: Systems Disposition Details

No.	Office (Owner)	System ID	System Short Name	Name
6.	OCFO	A21	LAS	Loan Accounting System
7.	OCFO	A39	Hyperion	HUD Consolidated Financial Statement System
8.	OCFO	A65A	SAVE	Section 235 Automated Validation and Editing
9.	OCFO	A67	LOCCS	Line of Credit Control System
10.	OCFO	A75	HUDCAPS/FFS	HUD Central Accounting & Reporting System
11.	OCFO	A75I	PSCRS	Personal Service Cost Report Subsystem
12.	OCFO	A75R	FDM	Financial Data Mart
13.	OCFO	A91	CCFF	Consolidated Cost and FTE Files
14.	OCFO	A96	PAS	Program Accounting System
15.	OCFO	D08	Bonds	Bond Payment
16.	OCFO	D091	CAPS	OCFO WebFocus Corrective Action Plan Reports System
17.	OCFO	D21	DARTS	Departmental Accounts Receivable and Collection Tracking System
18.	OCFO	D61	EZB	EZ Budget
19.	OCFO	D65A	BOSS	Section 8 Budget Outlay Support System
20.	OCFO	D91A	REAP/TEAM	Resource Estimation Allocation Process/ Total Estimation and Allocation Mechanism
21.	OCFO	H18	IATS	Integrated Automated Travel System
22.	OCFO	P001	HTMS/ eTravel	HUD Travel Management System/ FedTraveler.com
23.	OCFO	P190	GFITS	Government Financial Information Tracking System
24.	CPD	C04	IDIS	Integrated Disbursement and Information System
25.	OH	A43	SFIS	Single Family Insurance System
26.	OH	F24D	REMS	Real Estate Management System
27.	OH	F87	TRACS	Tenant Rental Assistance Certification System
28.	OH	P013	FHA-SL	FHA Subsidiary Ledger
29.	OH	F17C	FHAC	FHA Connection
30.	Ginnie Mae	B16	MASS	Macola Accounting Software System
31.	PIH	P113	PIC	PIH Information Center System
32.	PIH	P104	WASS	Web Access Security Subsystem
33.	OFHEO	UNK	FIMS	Financial Information and Management System
34.	OCIO	Unknown	TIBEC	Technology Investment Board Portfolio

Table C-3 summarizes the systems implementations for FY 2006.

Table C-3. Systems Implemented in FY 2006

No.	System ID	System Short Name	System Title
1.	P001	eTravel	FedTraveler.com

No.	System ID	System Short Name	System Title
Total		1	

Table C-4 summarizes the systems retired or replaced during FY 2006.

Table C-4. Systems Retired or Replaced in FY 2006

No.	System ID	System Short Name	System Title
1.	A51	FAADS	Federal Assistance Award Data System
2.	A65A	SAVE	Section 235 Automated Validation & Editing
3.	D08	Bonds	Bond Payment
4.	P001	HTMS	HUD Travel Management System
Total		4	

Table C-5 lists the systems within the HIFMIP scope that will be in place at the end of FY 2006. There are a total of 31 systems listed.

Table C-5. HIFMIP Systems at the End of FY 2006

No.	Office (Owner)	System ID	System Short Name	Name
1.	ADMN	D67A	FIRMS	Facilities Integrated Resources Management System
2.	ADMN	A35	HPS	HUD Procurement System
3.	ADMN	P162	HIHRTS	HUD Integrated Human Resources Training System
4.	ADMN	P035	SPS	Small Purchase System
5.	OCFO	A21	LAS	Loan Accounting System
5.	OCFO	A39	Hyperion	HUD Consolidated Financial Statement System
7.	OCFO	A67	LOCCS	Line of Credit Control System
8.	OCFO	A75	HUDCAPS/FFS	HUD Central Accounting & Reporting System
9.	OCFO	A75I	PSCRS	Personal Service Cost Report Subsystem
10.	OCFO	A75R	FDM	Financial Data Mart
11.	OCFO	A91	CCFF	Consolidated Cost and FTE Files
12.	OCFO	A96	PAS	Program Accounting System
13.	OCFO	D091	CAPS	OCFO WebFocus Corrective Action Plan Reports System
14.	OCFO	D21	DARTS	Departmental Accounts Receivable and Collection Tracking System
15.	OCFO	D61	EZB	EZ Budget
16.	OCFO	D65A	BOSS	Section 8 Budget Outlay Support System
17.	OCFO	D91A	REAP/TEAM	Resource Estimation Allocation Process/ Total Estimation and Allocation Mechanism
18.	OCFO	H18	IATS	Integrated Automated Travel System
19.	OCFO	P001	eTravel	FedTraveler.com
20.	OCFO	P190	GFITS	Government Financial Information Tracking System

No.	Office (Owner)	System ID	System Short Name	Name
21.	CPD	C04	IDIS	Integrated Disbursement and Information System
22.	OH	A43	SFIS	Single Family Insurance System
23.	OH	F24D	REMS	Real Estate Management System
24.	OH	F87	TRACS	Tenant Rental Assistance Certification System
25.	OH	P013	FHA-SL	FHA Subsidiary Ledger
26.	OH	F17C	FHAC	FHA Connection
27.	Ginnie Mae	B16	MASS	Macola Accounting Software System
28.	PIH	P113	PIC	PIH Information Center System
29.	PIH	P104	WASS	Web Access Security Subsystem
30.	OFHEO	UNK	FIMS	Financial Information and Management System
31.	OCIO	Unknown	TIBEC	Technology Investment Board Portfolio

C.2 FY 2007

For FY 2007, the following system totals are projected:

	FY 2007
Total Systems – Start of Fiscal Year	31
New Systems	1
Retired/Replaced Systems	1
Total Systems - End of Fiscal Year	31

On October 1, 2006, or the beginning of FY 2007, there are 31 systems within the HIFMIP scope as listed in Table C-6.

Table C-6. HIFMIP Systems at the Start of FY 2007

No.	Office (Owner)	System ID	System Short Name	Name
1.	ADMN	D67A	FIRMS	Facilities Integrated Resources Management System
2.	ADMN	A35	HPS	HUD Procurement System
3.	ADMN	P162	HIHRTS	HUD Integrated Human Resources Training System
4.	ADMN	P035	SPS	Small Purchase System
5.	OCFO	A21	LAS	Loan Accounting System
5.	OCFO	A39	Hyperion	HUD Consolidated Financial Statement System
7.	OCFO	A67	LOCCS	Line of Credit Control System
8.	OCFO	A75	HUDCAPS/FFS	HUD Central Accounting & Reporting System
9.	OCFO	A75I	PSCRS	Personal Service Cost Report Subsystem
10.	OCFO	A75R	FDM	Financial Data Mart
11.	OCFO	A91	CCFF	Consolidated Cost and FTE Files

No.	Office (Owner)	System ID	System Short Name	Name
12.	OCFO	A96	PAS	Program Accounting System
13.	OCFO	D091	CAPS	OCFO WebFocus Corrective Action Plan Reports System
14.	OCFO	D21	DARTS	Departmental Accounts Receivable and Collection Tracking System
15.	OCFO	D61	EZB	EZ Budget
16.	OCFO	D65A	BOSS	Section 8 Budget Outlay Support System
17.	OCFO	D91A	REAP/TEAM	Resource Estimation Allocation Process/ Total Estimation and Allocation Mechanism
18.	OCFO	H18	IATS	Integrated Automated Travel System
19.	OCFO	P001	eTravel	FedTraveler.com
20.	OCFO	P190	GFITS	Government Financial Information Tracking System
21.	CPD	C04	IDIS	Integrated Disbursement and Information System
22.	OH	A43	SFIS	Single Family Insurance System
23.	OH	F24D	REMS	Real Estate Management System
24.	OH	F87	TRACS	Tenant Rental Assistance Certification System
25.	OH	P013	FHA-SL	FHA Subsidiary Ledger
26.	OH	F17C	FHAC	FHA Connection
27.	Ginnie Mae	B16	MASS	Macola Accounting Software System
28.	PIH	P113	PIC	PIH Information Center System
29.	PIH	P104	WASS	Web Access Security Subsystem
30.	OFHEO	UNK	FIMS	Financial Information and Management System
31.	OCIO	Unknown	TIBEC	Technology Investment Board Portfolio

Table C-7 summarizes the systems implementations for FY 2007.

Table C-7. Systems Implemented in FY 2007

No.	System ID	System Short Name	System Title
1.	UNK	Ginnie Mae SL	Ginnie Mae Subsidiary Ledger (PeopleSoft)
Total		1	

Table C-8 summarizes the systems retired or replaced during FY 2007.

Table C-8. Systems Retired or Replaced in FY 2007

No.	System ID	System Short Name	System Title
1.	B16	MASS	Macola Accounting System Software
Total		1	

Table C-9 lists the systems within the HIFMIP scope that will be in place at the end of FY 2007. There are a total of 31 systems listed.

Table C-9. HIFMIP Systems at the End of FY 2007

No.	Office (Owner)	System ID	System Short Name	Name
1.	ADMN	D67A	FIRMS	Facilities Integrated Resources Management System
2.	ADMN	A35	HPS	HUD Procurement System
3.	ADMN	P162	HIHRTS	HUD Integrated Human Resources Training System
4.	ADMN	P035	SPS	Small Purchase System
5.	OCFO	A21	LAS	Loan Accounting System
5.	OCFO	A39	Hyperion	HUD Consolidated Financial Statement System
7.	OCFO	A67	LOCCS	Line of Credit Control System
8.	OCFO	A75	HUDCAPS/FFS	HUD Central Accounting & Reporting System
9.	OCFO	A75I	PSCRS	Personal Service Cost Report Subsystem
10.	OCFO	A75R	FDM	Financial Data Mart
11.	OCFO	A91	CCFF	Consolidated Cost and FTE Files
12.	OCFO	A96	PAS	Program Accounting System
13.	OCFO	D091	CAPS	OCFO WebFocus Corrective Action Plan Reports System
14.	OCFO	D21	DARTS	Departmental Accounts Receivable and Collection Tracking System
15.	OCFO	D61	EZB	EZ Budget
16.	OCFO	D65A	BOSS	Section 8 Budget Outlay Support System
17.	OCFO	D91A	REAP/TEAM	Resource Estimation Allocation Process/ Total Estimation and Allocation Mechanism
18.	OCFO	H18	IATS	Integrated Automated Travel System
19.	OCFO	P001	eTravel	FedTraveler.com
20.	OCFO	P190	GFITS	Government Financial Information Tracking System
21.	CPD	C04	IDIS	Integrated Disbursement and Information System
22.	OH	A43	SFIS	Single Family Insurance System
23.	OH	F24D	REMS	Real Estate Management System
24.	OH	F87	TRACS	Tenant Rental Assistance Certification System
25.	OH	P013	FHA-SL	FHA Subsidiary Ledger
26.	OH	F17C	FHAC	FHA Connection
27.	Ginnie Mae	UNK	Ginnie Mae SL	Ginnie Mae Subsidiary Ledger (PeopleSoft)
28.	PIH	P113	PIC	PIH Information Center System
29.	PIH	P104	WASS	Web Access Security Subsystem
30.	OFHEO	UNK	FIMS	Financial Information and Management System
31.	OCIO	Unknown	TIBEC	Technology Investment Board Portfolio

C.3 FY 2008

For FY 2008, the following system totals are projected:

	FY 2008
Total Systems – Start of Fiscal Year	31
New Systems	1
Retired/Replaced Systems	3
Total Systems - End of Fiscal Year	29

On October 1, 2007, or the beginning of FY 2008, there are 31 systems within the HIFMIP scope as listed in Table C-10.

Table C-10. HIFMIP Systems at the Start of FY 2008

No.	Office (Owner)	System ID	System Short Name	Name
1.	ADMN	D67A	FIRMS	Facilities Integrated Resources Management System
2.	ADMN	A35	HPS	HUD Procurement System
3.	ADMN	P162	HIHRTS	HUD Integrated Human Resources Training System
4.	ADMN	P035	SPS	Small Purchase System
5.	OCFO	A21	LAS	Loan Accounting System
5.	OCFO	A39	Hyperion	HUD Consolidated Financial Statement System
7.	OCFO	A67	LOCCS	Line of Credit Control System
8.	OCFO	A75	HUDCAPS/FFS	HUD Central Accounting & Reporting System
9.	OCFO	A75I	PSCRS	Personal Service Cost Report Subsystem
10.	OCFO	A75R	FDM	Financial Data Mart
11.	OCFO	A91	CCFF	Consolidated Cost and FTE Files
12.	OCFO	A96	PAS	Program Accounting System
13.	OCFO	D091	CAPS	OCFO WebFocus Corrective Action Plan Reports System
14.	OCFO	D21	DARTS	Departmental Accounts Receivable and Collection Tracking System
15.	OCFO	D61	EZB	EZ Budget
16.	OCFO	D65A	BOSS	Section 8 Budget Outlay Support System
17.	OCFO	D91A	REAP/TEAM	Resource Estimation Allocation Process/ Total Estimation and Allocation Mechanism
18.	OCFO	H18	IATS	Integrated Automated Travel System
19.	OCFO	P001	eTravel	FedTraveler.com
20.	OCFO	P190	GFITS	Government Financial Information Tracking System
21.	CPD	C04	IDIS	Integrated Disbursement and Information System
22.	OH	A43	SFIS	Single Family Insurance System
23.	OH	F24D	REMS	Real Estate Management System

No.	Office (Owner)	System ID	System Short Name	Name
24.	OH	F87	TRACS	Tenant Rental Assistance Certification System
25.	OH	P013	FHA-SL	FHA Subsidiary Ledger
26.	OH	F17C	FHAC	FHA Connection
27.	Ginnie Mae	UNK	Ginnie Mae SL	Ginnie Mae Subsidiary Ledger (PeopleSoft)
28.	PIH	P113	PIC	PIH Information Center System
29.	PIH	P104	WASS	Web Access Security Subsystem
30.	OFHEO	UNK	FIMS	Financial Information and Management System
31.	OCIO	Unknown	TIBEC	Technology Investment Board Portfolio

Table C-11 summarizes the systems implementations for FY 2008.

Table C-11. Systems Implemented in FY 2008

No.	System ID	System Short Name	System Title
1.	UNK	ICFS	Integrated Core Financial System
Total		1	

Table C-12 summarizes the systems retired or replaced during FY 2008.

Table C-12. Systems Retired or Replaced in FY 2008

No.	System ID	System Short Name	System Title
1.	A75	HUDCAPS	HUD Central Accounting and Program System
2.	A75I	PSCRS	Personal Services Cost and Reporting System
3.	A96	PAS	Program Accounting System
Total		3	

Table C-13 lists the systems within the HIFMIP scope that will be in place at the end of FY 2008. There are a total of 29 systems listed.

Table C-13. HIFMIP Systems at the End of FY 2008

No.	Office (Owner)	System ID	System Short Name	Name
1.	ADMN	D67A	FIRMS	Facilities Integrated Resources Management System
2.	ADMN	A35	HPS	HUD Procurement System
3.	ADMN	P162	HIHRTS	HUD Integrated Human Resources Training System
4.	ADMN	P035	SPS	Small Purchase System
5.	OCFO	A21	LAS	Loan Accounting System

No.	Office (Owner)	System ID	System Short Name	Name
5.	OCFO	A39	Hyperion	HUD Consolidated Financial Statement System
7.	OCFO	A67	LOCCS	Line of Credit Control System
8.	OCFO	UNK	ICFS	Integrated Core Financial System
9.	OCFO	A75R	FDM	Financial Data Mart
10.	OCFO	A91	CCFF	Consolidated Cost and FTE Files
11.	OCFO	D091	CAPS	OCFO WebFocus Corrective Action Plan Reports System
12.	OCFO	D21	DARTS	Departmental Accounts Receivable and Collection Tracking System
13.	OCFO	D61	EZB	EZ Budget
14.	OCFO	D65A	BOSS	Section 8 Budget Outlay Support System
15.	OCFO	D91A	REAP/TEAM	Resource Estimation Allocation Process/ Total Estimation and Allocation Mechanism
16.	OCFO	H18	IATS	Integrated Automated Travel System
17.	OCFO	P001	eTravel	FedTraveler.com
19.	OCFO	P190	GFITS	Government Financial Information Tracking System
19.	CPD	C04	IDIS	Integrated Disbursement and Information System
20.	OH	A43	SFIS	Single Family Insurance System
21.	OH	F24D	REMS	Real Estate Management System
22.	OH	F87	TRACS	Tenant Rental Assistance Certification System
23.	OH	P013	FHA-SL	FHA Subsidiary Ledger
24.	OH	F17C	FHAC	FHA Connection
25.	Ginnie Mae	UNK	Ginnie Mae SL	Ginnie Mae Subsidiary Ledger (PeopleSoft)
26.	PIH	P113	PIC	PIH Information Center System
27.	PIH	P104	WASS	Web Access Security Subsystem
28.	OFHEO	UNK	FIMS	Financial Information and Management System
29.	OCIO	Unknown	TIBEC	Technology Investment Board Portfolio

C.4 FY 2009

For FY 2009, the following system totals are projected:

	FY 2009
Total Systems – Start of Fiscal Year	29
New Systems	0
Retired/Replaced Systems	2
Total Systems - End of Fiscal Year	27

On October 1, 2008, or the beginning of FY 2009, there are 29 systems within the HIFMIP scope as listed in Table C-14.

Table C-14. HIFMIP Systems at the Start of FY 2009

No.	Office (Owner)	System ID	System Short Name	Name
1.	ADMN	D67A	FIRMS	Facilities Integrated Resources Management System
2.	ADMN	A35	HPS	HUD Procurement System
3.	ADMN	P162	HIHRTS	HUD Integrated Human Resources Training System
4.	ADMN	P035	SPS	Small Purchase System
5.	OCFO	A21	LAS	Loan Accounting System
5.	OCFO	A39	Hyperion	HUD Consolidated Financial Statement System
7.	OCFO	A67	LOCCS	Line of Credit Control System
8.	OCFO	UNK	ICFS	Integrated Core Financial System
9.	OCFO	A75R	FDM	Financial Data Mart
10.	OCFO	A91	CCFF	Consolidated Cost and FTE Files
11.	OCFO	D091	CAPS	OCFO WebFocus Corrective Action Plan Reports System
12.	OCFO	D21	DARTS	Departmental Accounts Receivable and Collection Tracking System
13.	OCFO	D61	EZB	EZ Budget
14.	OCFO	D65A	BOSS	Section 8 Budget Outlay Support System
15.	OCFO	D91A	REAP/TEAM	Resource Estimation Allocation Process/ Total Estimation and Allocation Mechanism
16.	OCFO	H18	IATS	Integrated Automated Travel System
17.	OCFO	P001	eTravel	FedTraveler.com
19.	OCFO	P190	GFITS	Government Financial Information Tracking System
19.	CPD	C04	IDIS	Integrated Disbursement and Information System
20.	OH	A43	SFIS	Single Family Insurance System
21.	OH	F24D	REMS	Real Estate Management System
22.	OH	F87	TRACS	Tenant Rental Assistance Certification System
23.	OH	P013	FHA-SL	FHA Subsidiary Ledger
24.	OH	F17C	FHAC	FHA Connection
25.	Ginnie Mae	UNK	Ginnie Mae SL	Ginnie Mae Subsidiary Ledger (PeopleSoft)
26.	PIH	P113	PIC	PIH Information Center System
27.	PIH	P104	WASS	Web Access Security Subsystem
28.	OFHEO	UNK	FIMS	Financial Information and Management System
29.	OCIO	Unknown	TIBEC	Technology Investment Board Portfolio

Table C-15 summarizes the systems implementations for FY 2009.

Table C-15. Systems Implemented in FY 2009

No.	System ID	System Short Name	System Title

No.	System ID	System Short Name	System Title
0.	N/A	N/A	N/a
Total		0	

Table C-16 summarizes the systems retired or replaced during FY 2009.

Table C-16. Systems Retired or Replaced in FY 2009

No.	System ID	System Short Name	System Title
1.	P013	FHA-SL	FHA Subsidiary Ledger
2.	A39	Hyperion	HUD Central Financial Statement System
Total		2	

Table C-17 lists the systems within the HIFMIP scope that will be in place at the end of FY 2009. There are a total of 27 systems listed.

Table C-17. HIFMIP Systems at the End of FY 2009

No.	Office (Owner)	System ID	System Short Name	Name
1.	ADMN	D67A	FIRMS	Facilities Integrated Resources Management System
2.	ADMN	A35	HPS	HUD Procurement System
3.	ADMN	P162	HIHRTS	HUD Integrated Human Resources Training System
4.	ADMN	P035	SPS	Small Purchase System
5.	OCFO	A21	LAS	Loan Accounting System
6.	OCFO	A67	LOCCS	Line of Credit Control System
7.	OCFO	UNK	ICFS	Integrated Core Financial System
8.	OCFO	A75R	FDM	Financial Data Mart
9.	OCFO	A91	CCFF	Consolidated Cost and FTE Files
10.	OCFO	D091	CAPS	OCFO WebFocus Corrective Action Plan Reports System
11.	OCFO	D21	DARTS	Departmental Accounts Receivable and Collection Tracking System
12.	OCFO	D61	EZB	EZ Budget
13.	OCFO	D65A	BOSS	Section 8 Budget Outlay Support System
14.	OCFO	D91A	REAP/TEAM	Resource Estimation Allocation Process/ Total Estimation and Allocation Mechanism
15.	OCFO	H18	IATS	Integrated Automated Travel System
16.	OCFO	P001	eTravel	FedTraveler.com
17.	OCFO	P190	GFITS	Government Financial Information Tracking System
18.	CPD	C04	IDIS	Integrated Disbursement and Information System
19.	OH	A43	SFIS	Single Family Insurance System

No.	Office (Owner)	System ID	System Short Name	Name
20.	OH	F24D	REMS	Real Estate Management System
21.	OH	F87	TRACS	Tenant Rental Assistance Certification System
22.	OH	F17C	FHAC	FHA Connection
23.	Ginnie Mae	UNK	Ginnie Mae SL	Ginnie Mae Subsidiary Ledger (PeopleSoft)
24.	PIH	P113	PIC	PIH Information Center System
25.	PIH	P104	WASS	Web Access Security Subsystem
26.	OFHEO	UNK	FIMS	Financial Information and Management System
27.	OCIO	Unknown	TIBEC	Technology Investment Board Portfolio

C.5 FY 2010

For FY 2010, the following system totals are projected:

	FY 2010
Total Systems – Start of Fiscal Year	27
New Systems	1
Retired/Replaced Systems	6
Total Systems - End of Fiscal Year	22

On October 1, 2009, or the beginning of FY 2010, there are 27 systems within the HIFMIP scope as listed in Table C-14.

Table C-18. HIFMIP Systems at the Start of FY 2010

No.	Office (Owner)	System ID	System Short Name	Name
1.	ADMN	D67A	FIRMS	Facilities Integrated Resources Management System
2.	ADMN	A35	HPS	HUD Procurement System
3.	ADMN	P162	HIHRTS	HUD Integrated Human Resources Training System
4.	ADMN	P035	SPS	Small Purchase System
5.	OCFO	A21	LAS	Loan Accounting System
6.	OCFO	A67	LOCCS	Line of Credit Control System
7.	OCFO	UNK	ICFS	Integrated Core Financial System
8.	OCFO	A75R	FDM	Financial Data Mart
9.	OCFO	A91	CCFF	Consolidated Cost and FTE Files
10.	OCFO	D091	CAPS	OCFO WebFocus Corrective Action Plan Reports System
11.	OCFO	D21	DARTS	Departmental Accounts Receivable and Collection Tracking System
12.	OCFO	D61	EZB	EZ Budget
13.	OCFO	D65A	BOSS	Section 8 Budget Outlay Support System

No.	Office (Owner)	System ID	System Short Name	Name
14.	OCFO	D91A	REAP/TEAM	Resource Estimation Allocation Process/ Total Estimation and Allocation Mechanism
15.	OCFO	H18	IATS	Integrated Automated Travel System
16.	OCFO	P001	eTravel	FedTraveler.com
17.	OCFO	P190	GFITS	Government Financial Information Tracking System
18.	CPD	C04	IDIS	Integrated Disbursement and Information System
19.	OH	A43	SFIS	Single Family Insurance System
20.	OH	F24D	REMS	Real Estate Management System
21.	OH	F87	TRACS	Tenant Rental Assistance Certification System
22.	OH	F17C	FHAC	FHA Connection
23.	Ginnie Mae	UNK	Ginnie Mae SL	Ginnie Mae Subsidiary Ledger (PeopleSoft)
24.	PIH	P113	PIC	PIH Information Center System
25.	PIH	P104	WASS	Web Access Security Subsystem
26.	OFHEO	UNK	FIMS	Financial Information and Management System
27.	OCIO	Unknown	TIBEC	Technology Investment Board Portfolio

Table C-19 summarizes the systems implementations for FY 2010.

Table C-19. Systems Implemented in FY 2010

No.	System ID	System Short Name	System Title
1.	UNK	Procurement	HUD Procurement System
Total		1	

Table C-20 summarizes the systems retired or replaced during FY 2010.

Table C-20. Systems Retired or Replaced in FY 2010

No.	System ID	System Short Name	System Title
1.	A35	HPS	HUD Procurement System
2.	P035	SPS	Small Purchase System
3.	D21	DARTS	Departmental Accounts Receivable and Collections Tracking System
4.	D61	EZB	EZBudget Budget Formulation System
5.	D65A	BOSS	Section 8 Budget Outlay Support System
6.	UNK	Ginnie Mae SL	Ginnie Mae Subsidiary Ledger
Total		6	

Table C-21 lists the systems within the HIFMIP scope that will be in place at the end of FY 2010. There are a total of 22 systems listed.

Table C-21. HIFMIP Systems at the End of FY 2010

No.	Office (Owner)	System ID	System Short Name	Name
1.	ADMN	D67A	FIRMS	Facilities Integrated Resources Management System
2.	ADMN	UNK	Procurement	HUD Procurement System
3.	ADMN	P162	HIHRTS	HUD Integrated Human Resources Training System
4.	OCFO	A21	LAS	Loan Accounting System
5.	OCFO	A67	LOCCS	Line of Credit Control System
6.	OCFO	UNK	ICFS	Integrated Core Financial System
7.	OCFO	A75R	FDM	Financial Data Mart
8.	OCFO	A91	CCFF	Consolidated Cost and FTE Files
9.	OCFO	D091	CAPS	OCFO WebFocus Corrective Action Plan Reports System
10.	OCFO	D91A	REAP/TEAM	Resource Estimation Allocation Process/ Total Estimation and Allocation Mechanism
11.	OCFO	H18	IATS	Integrated Automated Travel System
12.	OCFO	P001	eTravel	FedTraveler.com
13.	OCFO	P190	GFITS	Government Financial Information Tracking System
14.	CPD	C04	IDIS	Integrated Disbursement and Information System
15.	OH	A43	SFIS	Single Family Insurance System
16.	OH	F24D	REMS	Real Estate Management System
17.	OH	F87	TRACS	Tenant Rental Assistance Certification System
18.	OH	F17C	FHAC	FHA Connection
19.	PIH	P113	PIC	PIH Information Center System
20.	PIH	P104	WASS	Web Access Security Subsystem
21.	OFHEO	UNK	FIMS	Financial Information and Management System
22.	OCIO	Unknown	TIBEC	Technology Investment Board Portfolio

C.6 FY 2011

For FY 2011, the following system totals are projected:

	FY 2011
Total Systems – Start of Fiscal Year	22
New Systems	0
Retired/Replaced Systems	0
Total Systems - End of Fiscal Year	22

There are no systems implementations or retirements scheduled during FY 2011 since the upgrade the Fusion platform will occur during this year.

C.7 FY 2012

For FY 2012, the following system totals are projected:

	FY 2012
Total Systems – Start of Fiscal Year	22
New Systems	1
Retired/Replaced Systems	4
Total Systems - End of Fiscal Year	19

On October 1, 2011, or the beginning of FY 2012, there are 22 systems within the HIFMIP scope as listed in Table C-22.

Table C-22. HIFMIP Systems at the Start of FY 2012

No.	Office (Owner)	System ID	System Short Name	Name
1.	ADMN	D67A	FIRMS	Facilities Integrated Resources Management System
2.	ADMN	UNK	Procurement	HUD Procurement System
3.	ADMN	P162	HIHRTS	HUD Integrated Human Resources Training System
4.	OCFO	A21	LAS	Loan Accounting System
5.	OCFO	A67	LOCCS	Line of Credit Control System
6.	OCFO	UNK	ICFS	Integrated Core Financial System
7.	OCFO	A75R	FDM	Financial Data Mart
8.	OCFO	A91	CCFF	Consolidated Cost and FTE Files
9.	OCFO	D091	CAPS	OCFO WebFocus Corrective Action Plan Reports System
10.	OCFO	D91A	REAP/TEAM	Resource Estimation Allocation Process/ Total Estimation and Allocation Mechanism
11.	OCFO	H18	IATS	Integrated Automated Travel System
12.	OCFO	P001	eTravel	FedTraveler.com
13.	OCFO	P190	GFITS	Government Financial Information Tracking System
14.	CPD	C04	IDIS	Integrated Disbursement and Information System
15.	OH	A43	SFIS	Single Family Insurance System
16.	OH	F24D	REMS	Real Estate Management System
17.	OH	F87	TRACS	Tenant Rental Assistance Certification System
18.	OH	F17C	FHAC	FHA Connection
19.	PIH	P113	PIC	PIH Information Center System
20.	PIH	P104	WASS	Web Access Security Subsystem
21.	OFHEO	UNK	FIMS	Financial Information and Management System

No.	Office (Owner)	System ID	System Short Name	Name
22.	OCIO	Unknown	TIBEC	Technology Investment Board Portfolio

Table C-23 summarizes the systems implementations for FY 2012.

Table C-23. Systems Implemented in FY 2012

No.	System ID	System Short Name	System Title
1.	UNK	FDW	Financial Data Warehouse
Total		1	

Table C-24 summarizes the systems retired or replaced during FY 2012.

Table C-24. Systems Retired or Replaced in FY 2012

No.	System ID	System Short Name	System Title
1.	A75R	FDM	Financial Data Mart
2.	A91	CCFF	Consolidated Cost & FTE Files
3.	D91	CAPS	OCFO WebFocus Corrective Action Plan Reports System
4.	UNK	FIMS	Financial Information Management System (OFHEO)
Total		4	

Table C-25 lists the systems within the HIFMIP scope that will be in place at the end of FY 2012. There are a total of 19 systems listed.

Table C-25. HIFMIP Systems at the End of FY 2012

No.	Office (Owner)	System ID	System Short Name	Name
1.	ADMN	D67A	FIRMS	Facilities Integrated Resources Management System
2.	ADMN	UNK	Procurement	HUD Procurement System
3.	ADMN	P162	HIHRTS	HUD Integrated Human Resources Training System
4.	OCFO	A21	LAS	Loan Accounting System
5.	OCFO	A67	LOCCS	Line of Credit Control System
6.	OCFO	UNK	ICFS	Integrated Core Financial System
7.	OCFO	UNK	FDW	Financial Data Warehouse
8.	OCFO	D91A	REAP/TEAM	Resource Estimation Allocation Process/ Total Estimation and Allocation Mechanism
9.	OCFO	H18	IATS	Integrated Automated Travel System
10.	OCFO	P001	eTravel	FedTraveler.com

No.	Office (Owner)	System ID	System Short Name	Name
11.	OCFO	P190	GFITS	Government Financial Information Tracking System
12.	CPD	C04	IDIS	Integrated Disbursement and Information System
13.	OH	A43	SFIS	Single Family Insurance System
14.	OH	F24D	REMS	Real Estate Management System
15.	OH	F87	TRACS	Tenant Rental Assistance Certification System
16.	OH	F17C	FHAC	FHA Connection
17.	PIH	P113	PIC	PIH Information Center System
18.	PIH	P104	WASS	Web Access Security Subsystem
19.	OCIO	Unknown	TIBEC	Technology Investment Board Portfolio

C.8 FY 2013

For FY 2013, the following system totals are projected:

	FY 2013
Total Systems – Start of Fiscal Year	19
New Systems	0
Retired/Replaced Systems	0
Total Systems - End of Fiscal Year	19

There are no systems implementations or retirements scheduled during FY 2013. Implementation of additional tools is planned for FY 2013. These tools include DSS, CRM, EPM and an Enterprise Data Warehouse, but these are not considered financial or mixed systems.

By the end of HIFMIP Phase IV in FY 2013, HUD will have reduced the number of financial systems by at least 15 or a reduction of over 44% in the total number of systems to be maintained. Additionally, since much of the HIFMIP initiative involves integration of HUD systems using common architectures, the remaining systems should integrate more readily and be easier to maintain and upgrade, regardless of where they are operated.