

***US Department of Housing and Urban Development
Public and Indian Housing – Real Estate Assessment Center
(PIH-REAC)***



DATABASE SPECIFICATIONS

For The

**Financial Assessment Subsystem – Public Housing
(FASS PH)**

System:	REACS
Subsystem:	FASS-PH
Release:	8.1.0.0
Database Release:	REACS
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DATABASE SPECIFICATIONS

*Financial Assessment Subsystem – Public Housing
(FASS-PH)
Release 8.1.0.0*

**U.S. Department of Housing and Urban Development
Public and Indian Housing – Real Estate Assessment Center
(PIH-REAC)**

June 2005

Revision Sheet

Release No.	Date	Revision Description
Rev. 1.0	06/08/2005	Initial version.
Rev. 1.1	06/13/2005	Peer Review Revision
Rev. 1.2	06/20/2005	Additional Requirements Added into Scope Section.
Rev. 1.3	06/21/2005	QA Review Revision
Rev. 1.4	06/22/2005	Revised by Analyst to Incorporate Management Review
Rev. 1.5	06/03/2005	Incorporate IT Managers Comments



Database Specifications Authorization Memorandum

I have carefully assessed the Database Specifications for the Financial Assessment Subsystem – Public Housing (FASS-PH) Release 8.1.0.0. This document has been completed in accordance with the requirements of the HUD System Development Methodology.

MANAGEMENT CERTIFICATION - Please check the appropriate statement.

_____ The document is accepted.

_____ The document is accepted pending the changes noted.

_____ The document is not accepted.

We fully accept the changes as needed improvements and authorize initiation of work to proceed. Based on our authority and judgment, the continued operation of this system is authorized.

Freddie Harrison
FASS-PH IT Manager

DATE

Nicholas Miele
FASS-PH Business Program Manager

DATE

Database Specifications

DATABASE SPECIFICATIONS

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1.0 GENERAL INFORMATION

1.0 General Information

1.0 GENERAL INFORMATION

1.1. Purpose

The Department of Housing and Urban Development (HUD) has established the HUD Annual Performance Plan (APP) to demonstrate how HUD is measuring progress toward achieving its critical mission: to promote adequate and affordable housing, economic opportunity, and a suitable living environment free from discrimination. Financial Assessment Subsystem – Public Housing (FASS-PH) aids HUD in meeting the following departmental goals and objectives: restoring the public trust, increasing affordable housing and reducing homelessness.

FASS-PH also aids HUD in addressing existing material weaknesses and business operating goals. Specifically, the FASS-PH functions address the following HUD material weaknesses identified by IG audit: Payment of Incorrect Subsidy Amount and HUD Resource Management. FASS-PH supports business operating plan goal 6.1.4 related to decreasing the share of public housing units managed by troubled housing authorities.

The FASS-PH Release 8.1.0.0 SDM Database Specifications Document is the second document in a series of three Housing and Urban Development System Development Methodology (SDM) Design Phase deliverable documents required from the FASS-PH System Development Team. This series of SDM Design Phase deliverables includes the System/Subsystem Specifications, Database Specifications and Program Specifications. This document outlines the FASS-PH Release 8.1.0.0 Database Specifications.

1.2. Scope

The scope of FASS-PH Release 8.1.0.0 is determined by requirements documented in the Release 8.1.0.0 Statement of Work.

- These requirements are displayed in a table format.
- The column header, “#”, indicates the sequential order of the requirements.
- The column header, “Req. #”, indicates the requirement number noted in Release 8.1.0.0 Statement of Work Document.
- The column header, “Title” and “Description”, are self-explanatory.

Requirement Table			
#	Req. #	Title	Description
1	2	Line Item G3000-010	First, the DCF/Financial Statement/G3000-010 Type of Audit Report/G3000-060 & G3000-070 will now reflect Fund Type and Opinion of the Fund rather than Program. Auditors should only be entering opinion for

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			funds within the PHA.
2	3	View Prior Fiscal Year Submission Comments	Allow analysts to review prior year submission comments while still reviewing the current FYE submission. This will allow the analyst to review prior submission comments without navigating between multiple submissions.
3	4	Line Item G4200-010 & G4200-050	Modify Line Item 4200-050 to default to “N/A”; if and only if Line Item 4200-010 is selected “No” for Non-Major Programs audited A133, there will be no penalty when this opinion is selected.
4	5	Line Item 1102	New logic will be in place, so that the external user will not be able to enter any amount on Line Item 1102. This new methodology should begin for all 9/30/2005 submissions.
5	6.2	FASS Analyst Column	Modify the FASS Analyst column for the external user inbox only to display the name of the Business Manager or Analyst.
6	6.7	FDS Report	Repair the FDS report page to print correctly from MS Internet Explorer.
7	7.1	Storing Assessment Attachments	Change the storage of permanent file attachments from being part of the UNIX /Windows file system to being stored as Binary Large Objects (BLOB’s) in the database. All file attachments need to be stored and retrieved on the REACS database.
8	7.2	HTTPS on port 443 (default)	Remove any instances of http port in Cold Fusion templates and replace http port with the relative server.
9	7.7	WASS – Guest Checkbox	WASS will remove the guest checkbox on the Login interface. Have the system automatically recognized a guest user.
10	7.9	Remove Identity Type from the Participant Assessment Table.	Remove identity attribute from the column definition in the assessment table and replace the attribute with a stored procedure to find the sequential primary key value.
11	7.10	LOCCS/HUDCAPS Storing Data.	Remove storing Line of Credit Control System/ HUD Central Accounting Processing System (LOCCS/HUDCAPS) data in permanent tables and pipe the HOCCS/HUDCAPS data directly into the REACS database.

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12	8	Alter Financial Review Instructions	On the Review Submission Page under the Financial Statement tab, the instructions need to be modified. The first bullet of the instructions will be separated into two distinct bullets. The first bullet will read, “Government-Wide Financial Statements, If Applicable.” The second bullet will read, “Fund Financial Statements.”
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1.3. System Overview

The FASS-PH is a subsystem of the Real Estate Assessment Center System (REACS). FASS-PH will help enable centralized financial analysis that can be used to identify where HUD should focus its limited resources to improve service delivery and manage its housing programs proactively. To achieve this goal, the following objectives have been identified:

- Gather standard financial data pertaining to each Public Housing Agency (PHA) and Section 8 Entity by combining standard fiscal audit information with reporting and compliance factors as defined by the Single Audit Act;
- Assess the financial condition of all PHAs and Section 8 Entities using a comprehensive protocol;
- Assess financial risk using standard financial data;
- Determine an objective, numerical score for each PHA and Section 8 Entity using standard protocols for financial performance review;
- Enable HUD staff to focus on the most troubled PHAs and Section 8 Entities based on the risk associated with the score;
- Eliminate or address existing material weaknesses identified through IG Audits. This includes mitigating potential risks;
- Support HUD's mission;
- Implement OMB Circular A-123 compliant policies and procedures;
- Support HUD's eGov Strategic Plan;
- Automate paper based forms to support the Government Paperwork Elimination Act (GPEA);
- Provide payback as early in the system lifecycle as possible;
- Provide significant benefits to HUD;
- All new functionality meets the Rehabilitation Act Section 508 requirements.

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The following table identifies the general environment for the development of FASS-PH:

System Environment Table	
Environment	System / Organization
System	Real Estate Assessment Center System (REACS)
Subsystem	Financial Assessment Subsystem - Public Housing (FASS-PH)
Responsible Party Description	
Sponsor	Public and Indian Housing – Real Estate Assessment Center (PIH-REAC)
Requirements	Avineon Inc.
Design	Avineon Inc.
Development	Avineon Inc.
System and Integration Testing	Avineon Inc., DCG
User Acceptance Testing	To be determined by PIH-REAC Management
Deployment	Avineon Inc., DCG
Maintenance	Avineon Inc., DCG
System Environment, Code, and Category: and Operational Status Description	
PCAS	307820
System Code	P093
System Category	Non-Major
Operational Status	Operational
System Environment	Web Based

The following table identifies and briefly describes the different users of FASS-PH.

User Environment	
Public Housing Agency (PHA)	PHAs and Section 8 Entities use FASS-PH to annually submit unaudited and audited financial data to the REACS for analysis. A PHA may also use the system to request submission extensions and to review the status of its financial submission(s).
Agents	A PHA may delegate the task of submitting financial information to its agent(s). Regardless of who submits its financial information, the PHA is ultimately responsible for the timeliness and accuracy of the submission.
Independent Public Accountant (IPA)	An IPA is responsible for reviewing and verifying audited submission data before a PHA's submission to the REACS. Again, the PHA is ultimately responsible for the timeliness and accuracy of the submission.
REAC PHA Financial Assessment Team	The REAC PHA Financial Assessment Team will use FASS-PH to perform its critical business processes, including the assessment of the financial condition of PHAs.

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User Environment	
Other HUD Users	All other HUD users will have read-only access to FASS-PH in order to review PHA financial data. This includes field office and other HUD headquarters users.

1.4. Project References

The following documents are available to provide a comprehensive understanding of the PHA financial assessment process. Most documents are available via the REAC Document Library. Additionally, several of the documents listed below are available through the PHA Financial Assessment Internet site at <http://www.hud.gov/offices/reac/products/prodpha.cfm>

References
FASS-PH 8.1.0.0
“FASS-PH Release 8.1.0.0 SDM Functional Requirements Document,” 06/07/2005.
“FASS-PH Release 8.1.0.0 SDM Data Requirements Document,” 06/09/2005.
“FASS-PH Release 8.1.0.0 SDM System Security and Privacy Plan,” 06/10/2005.
“FASS-PH Release 8.1.0.0 SDM Initiate Phase – Feasibility Study,” 06/10/2005.
“FASS-PH Release 8.1.0.0 SDM Initiate Phase – Cost/Benefit Analysis,” 06/10/2005.
“FASS-PH Release 8.1.0.0 SDM Initiate Phase – Needs Statement,” 06/10/2005.
“FASS-PH Release 8.1.0.0 SDM Initiate Phase – Risk Analysis Plan,” 06/09/2005.
“FASS-PH Release 8.1.0.0 SDM Initiate Phase – Project Plan,” 05/31/2005.
“FASS-PH Quality Assurance Plan,” 05/31/2005.
FASS-PH 8.0.0.0
“FASS-PH Release 8.0.0.0 SDM Functional Requirements Document,” 11/13/2003.
“FASS-PH Release 8.0.0.0 SDM Data Requirements Document,” 11/13/2003.
FASS-PH 7.4.0.0
“FASS-PH Release 7.4.0.0 SDM Integration Test Results and Evaluation Report,” 10/31/2003.
“FASS-PH Release 7.4.0.0 SDM System Test Results and Evaluation Report,” 10/10/2003

1.0 General Information

References
“FASS-PH Release 7.4.0.0 SDM Validation, Verification and Testing Plan,” 09/04/2003.
“FASS-PH Release 7.4 0.0 SDM Program Specifications,” 08/21/2003.
“FASS-PH Release 7.4.0.0 SDM System/ Subsystem Specifications,”08/21/2003.
“FASS-PH Release 7.4.0.0 SDM Functional Requirements Document,” 08/05/2003.
“FASS-PH Release 7.4.0.0 SDM Data Requirements Document,” 08/05/2003.
FASS-PH 7.3.0.0
“FASS-PH Release 7.3.0.0 SDM Integration Test Results and Evaluation Report,” 08/05/2003.
“FASS-PH Release 7.3.0.0 SDM System Test Results and Evaluation Report,” 07/11/2003.
“FASS-PH Release 7.3.0.0 SDM Unit Test Plan,” 05/27/2003.
“FASS-PH Release 7.3.0.0 SDM Validation, Verification and Testing Plan,” 5/12/2003.
“FASS-PH Release 7.3.0.0 SDM Training Plan,” 04/17/2003.
“FASS-PH Release 7.3 0.0 SDM Program Specifications,” 05/07/2003.
“FASS-PH Release 7.3.0.0 SDM Database Specifications,” 05/07/2003.
“FASS-PH Release 7.3.0.0 SDM System/ Subsystem Specifications,” 05/07/2003.
“FASS-PH Release 7.3.0.0 SDM Functional Requirements Document,” 04/02/2003.
“FASS-PH Release 7.3.0.0 SDM Data Requirements Document,” 04/02/2003.
“FASS-PH Release 7.3.0.0 SDM System Security and Privacy Plan,” 04/02/2003.
“FASS-PH Release 7.3.0.0 SDM System Support and Acquisition Document,” 04/02/2003.
“FASS-PH Release 7.3.0.0 SDM Initiate Phase – Feasibility Study,” 03/25/2003.
“FASS-PH Release 7.3.0.0 SDM Initiate Phase – Cost/Benefit Analysis,” 03/25/2003.
“FASS-PH Release 7.3.0.0 SDM Initiate Phase – Needs Statement,” 03/25/2003.
“FASS-PH Release 7.3.0.0 SDM Initiate Phase – Risk Analysis,” 03/25/2003.
“FASS-PH Release 7.3.0.0 SDM Initiate Phase – Project Plan,” 03/25/2003.

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References
“FASS-PH Release 7.3.0.0 Work Plan,” 03/20/2003.
“FASS-PH Quality Control Plan,” 11/04/2002.
<i>Refer to “FASS-PH Release 7.3.0.0 SDM Functional Requirements Document,” 04/02/2003 for list of References before FASS-PH Release 7.3.0.0.</i>
Policies
“PHAS: Physical Condition Scoring Process and Financial Condition Scoring Process,” 10/21/2003.
“Changes to the Public Housing Assessment System (PHAS); Proposed Rule,” 24 CFR Part 902, 02/06/2003.
“PHAS; Notice Adopting Interim Scoring Methodologies for PHAS Physical Condition and Financial Conditions Indicators,” 03/15/2002.
“PHAS Information About PHAS Interim Scoring Methodology for PHAs With Fiscal Years Ending On or After September 30, 2001: Introduction; Notice,” 11/26/2001.
“PHAS; Financial Condition Scoring Process Interim Assessments,” 11/26/2001.
“PHAS; Revised Timetable for Issuance of Management Operations Official Scores and PHAS Advisory Scores; and Notice of Intent to Commence Informal Meetings on PHAS,” 05/30/2001.
“PHAS; Financial Condition Scoring Process Notice,” 12/21/2000.
“PHAS: Notice of Extended Submission Period for PHAS Management Operations Certification and Audited Financial Statement for Certain PHAs;” 11/21/2000.
“PHAS Management Operations Certification Resubmissions Period and Financial statement Submission Extension Period for Certain PHAs,” 08/09/2000.
“PHAS Financial Condition Scoring Process,” 06/28/2000.
“Uniform Financial Reporting Standards: 24 CFR Part 5, et al,” 03/27/2000.
“Technical Correction to PHAS Final Rule,” 06/06/2000.
“Public Housing Assessment System (PHAS) Amendments; Final Rule,” 24 CFR Part 902, 01/11/2000.
“Notice Clarifying Manual Submissions and Extension Requests Under the Public Housing Assessment System (PHAS),” 11/17/1999.
“PHAS Proposed Amendments to 24 CFR Part 902,” 06/22/1999.

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References
“Public Housing Assessment System; Financial Condition Scoring Process Notice,” 06/23/1999.
“Uniform Financial Reporting Standards for HUD Housing Programs; Final Rule,” 24 CFR Part 5, et. al., 09/1/1998.
“Public Housing Assessment System Final Rule,” 24 CFR Parts 901 and 902, 09/1/1998.
“HUD Handbook 2400.15,” 02/18/1992.
“HUD Handbook 2229.1,” 06/28/1989.
“HUD Handbook 2400.24 – Rev 2,” 11/10/1999.
Additional References
OMB: “Information Collection; Request for Public Comments.” 08/15/2003
“Federal Audit Clearinghouse (FAC) Summary of Proposed Changes to the Data Collection Form (SF-SAC),” 08/15/2003.
“Draft Data Collection Form (SF-SAC) for Fiscal Year Ending Dates in 2004, 2005, or 2006,” 08/15/2003.
“Instructions for Completing Form SF-SAC, ... for Fiscal Periods Ending in 2004, 2005, or 2006,” 08/15/2003.
“Summary of Changes to SF-SAC,” 11/16/2000.
“I-TIPS FY2001 – Project Plan,” 06/16/2000.
“I-TIPS FY2001 – Feasibility Study,” 06/16/2000.
“I-TIPS FY2001 – Cost/Benefit Analysis,” 06/16/2000.
“I-TIPS FY2001 – Needs Statement,” 06/16/2000.
“I-TIPS FY2001 – Risk Assessment,” 06/16/2000.
“Financial Data Schedule Line Definitions and Crosswalk Guide,” 09/14/2001.
“HUD PHA GAAP Conversion Guide,” 01/31/2000.
“Detailed System Requirements Document for the AFS Version 2.0.”
“Annual Financial Data Submission Requirements for the AFS Version 2.0.”

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References
“Addendum to the Data Standardization Results for the AFS Version 2.0.”
“System Development Methodology Release 6.01,” January 2000.
“Preliminary Scoring Methodology and Thresholds for Financial Indicators,” 06/30/1999.
“Financial Indicators Methodology & Analysis Guide,” 12/14/1999.
“PHA Financial Assessment Lab Financial Assessment Operations Design and Procedures,” 03/31/1999.
“Financial Assessment Lab – Business Process Documentation and Flow Maps,” 09/21/1999.
“PHAS Appeals Business Process,” 11/28/2000.
“HUD Business Resumption Plan,” 10/2000.

1.5. Terms and Abbreviations

The following table defines terms and acronyms used throughout the Database Specifications.

Term	Definition
CFDA	Catalog of Federal Domestic Assistance
DCG	Development Coordination Group
DCF	Data Collection Form
EIN	Employer Identification Number
FASS-PH	Financial Assessment Subsystem – Public Housing
FDS	Financial Data Schedule
FRD	Functional Requirements Document
FYE	Fiscal Year End
GAAP	Generally Accepted Accounting Principles
GAGAS	Generally Accepted Government Auditing Standards
GASB	Governmental Accounting Standards Board
HTML	Hypertext Markup Language

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Term	Definition
HUDCAPS	HUD Central Accounting and Program System
HUD OIG	HUD Office of Inspector General
HUDWeb	HUD's Intranet Web Site
IPA	Independent Public Accountant
IT	Information Technology
JAD	Joint Application Development
LOCCS	Line of Credit Control System
LPF	Late Presumptive Failure
NASS	Integrated Assessment Subsystem
OMB	Office of Management and Budget
PASS	Physical Assessment Subsystem
PH	Public Housing
PHA	Public Housing Agency/Public Housing Authority
PHAS	Public Housing Assessment System
PIH	Public and Indian Housing
QASS	Quality Assessment Subsystem
RASS	Residential Assessment Subsystem
REAC	Real Estate Assessment Center
REACS	Real Estate Assessment Center System
SAC	PHAS invalidation action code
TAC	Technical Assistance Center (formerly the Customer Service Center)
TBD	To Be Defined
UII	Unique IPA Identifier

1.0 General Information

Term	Definition
UFI	Unique Fee Accountant Identifier
WASS	Web Access Security System
WDDX	Web Dynamic Exchange
XML	eXtensible Mark-up Language

1.6. Points of Contact

1.6.1. Information

The following table lists Points of Organizational Contact (POC's) that may be beneficial for future reference.

Contact Name	Organization	Position	Telephone Number
Nick Miele	PIH-REAC	FASS-PH FASS-PH Business Program Manager	202-708-4932 ext: 3262
Steve Bolden	PIH-REAC	FASS-PH Assessment Manager for Systems Operations	202-708-4932 ext: 3117
Freddie Harrison	PIH-REAC	FASS-PH IT Manager	202-475-8753
Keith Bennet	Avineon	Project Manager	202-475-8903
Virginia Davis	Avineon	QA Manager	202-475-8888
Joneff Chung	Avineon	FASS-PH Requirements and Testing Lead	202-475-8889
Surafiel Berek	Avineon	FASS-PH Development Lead	202-475-8828
Ashraf Hassan	Avineon	FASS-PH Maintenance Lead	202-475-8898

1.6.2. Coordination

FASS-PH will coordinate with the following organizations to successfully implement the FASS-PH Release 8.1.0.0

Organization	Support Function
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1.0 General Information

Organization	Support Function
PIH-REAC	Business Requirements Support, Project Management
Avineon	Requirements, Design, Development, Testing, Installation, Deployment, Maintenance, Technical Support /Operations, Project Management
DCG	Customer Support/Operations, Development Coordination, Integration Test Coordination, Deployment, and Maintenance
HUD IT	Implementation Coordination
FASS-PH Lab	Business Requirements Support
WASS	Security
NASS	Integration

Listed below are the coordination dates that each Real Estate Assessment Center System (REACS) must achieve in order to adhere to the August 26, 2005 release date.

Integration Test Start Date	Integration Test End Date	Code Locked Date	Final HARTS Request Submission Date	Release Date
07/13/2005	08/08/2005	08/01/2005	08/01/2005	08/26/2005

1.6.3. Data Owners

HUD IT and DCG are responsible for maintaining the quality of data in the database, the currency of that data, and the accuracy of the data.

2.0 DATABASE IDENTIFICATION AND DESCRIPTION

2.0 Database Identification and Description

2.0 DATABASE IDENTIFICATION AND DESCRIPTION

2.1. Naming Conventions

The FASS-PH subsystem has made no modifications to this section for Release 8.1.0.0. DCG defines the naming conventions for the REACS database. For more information, please reference the Database Specifications document for the REACS database. The PIH-REAC DCG team maintains this document.

2.2. Database Identification

The FASS-PH subsystem has made no modifications to this section for Release 8.1.0.0. For more information, please reference the Database Specifications document for the REACS database. The PIH-REAC DCG team maintains this document.

2.3. Systems Using the Database

The FASS-PH subsystem has made no modifications to this section for Release 8.1.0.0. For more information, please reference the Database Specifications document for the REACS database. The PIH-REAC DCG team maintains this document.

2.4. Relationship to Other Databases

The FASS-PH subsystem has made no modifications to this section for Release 8.1.0.0. For more information, please reference the Database Specifications document for the REACS database. The PIH-REAC DCG team maintains this document.

2.5. Schema Information

2.5.1. Description

The FASS-PH subsystem has made no modifications to this section for Release 8.1.0.0. For more information, please reference the Database Specifications document for the REACS database. The PIH-REAC DCG team maintains this document.

2.0 Database Identification and Description

2.5.2. Physical Design

DCG added a new table to store the previous FASS-PH attachments currently being stored in PDUMP and to store all new attachments. The new table is called **submission_line_item_doc**. The table structure is listed below.

Table Name		Shared Table	Add / Change / Delete	Description
submission_line_item_doc		Yes	Add	Contains attachment files
Attribute Name	Add / Change / Delete	Key?	Type	Description
participant_id	Add	Yes	numeric(10,0), not null	It identifies participant_id
group_id	Add	Yes	smallint not null,	The code to identify the group
version_id	Add	Yes	smallint not null,	Version identifier
assessment_id	Add	Yes	numeric(9,0) not null	Id for assessment
sub_line_item_id	Add	Yes	numeric(11,0) not null	Id for each line item
path_name	Add	No	varchar(255) null,	Location of attached file
file_name	Add	No	varchar(255) null	Name of file
file_type	Add	No	varchar(255) null	Type of file
file_description	Add	No	varchar(255) null	Description of file
file_virus_scanned	Add	No	char(1)	Yes/no of virus scan

2.0 Database Identification and Description

Table Name		Shared Table	Add / Change / Delete	Description
submission_line_item_doc		Yes	Add	Contains attachment files
Attribute Name	Add / Change / Delete	Key?	Type	Description
			null	
file_content	Add	No	image null,	Content of attached file
last_update_date	Add	No	datetime null,	Date of the file of Last update
last_update_user_id	Add	No	char(6) null	User id of last person updated the file

2.5.3. Physical Structure

The PIH-REAC DCG team maintains this document. For more information, please reference the Database Specifications document for the REACS database.

2.6. Data Dictionary

Please reference the REACS data model, which is stored in PVCS Version Manager at \HUDSYSTEMS\common\dbserver\nthccp08\model. The PIH-REAC DCG team maintains this document.

2.7. Special Instructions

The FASS-PH subsystem has made no modifications to this section for Release 8.1.0.0. For more information, please reference the Database Specifications document for the REACS database. The PIH-REAC DCG team maintains this document.

3.0 DATABASE ADMINISTRATIVE INFORMATION

3.0 Database Administrative Information

3.0 DATABASE ADMINISTRATIVE INFORMATION

3.1. Responsibility

The PIH-REAC DCG database team is responsible for all database administration tasks. For more information, please reference the Database Specifications document for the REACS database.

3.2. System Information

3.2.1. Database Management System (DBMS) Configuration

The PIH-REAC DCG database team is responsible for all database administration tasks. For more information, please reference the Database Specifications document for the REACS database.

3.2.2. Hardware Configuration

The PIH-REAC DCG database team is responsible for all database administration tasks. For more information, please reference the Database Specifications document for the REACS database.

3.2.3. Database Software Utilities

The PIH-REAC DCG database team is responsible for all database administration tasks. For more information, please reference the Database Specifications document for the REACS database.

3.2.4. Support Software Available for Maintaining Database

The PIH-REAC DCG database team is responsible for all database administration tasks. For more information, please reference the Database Specifications document for the REACS database.

3.2.5. Security

The PIH-REAC DCG database team is responsible for all database administration tasks. For more information, please reference the Database Specifications document for the REACS database.

3.3. Storage Requirements

The PIH-REAC DCG database team is responsible for all database administration tasks. For more information, please reference the Database Specifications document for the REACS database.

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3.4. Recovery

The PIH-REAC DCG database team is responsible for all database administration tasks. For more information, please reference the Database Specifications document for the REACS database.

3.5. Partition/File Information

3.5.1. Content

The PIH-REAC DCG database team is responsible for all database administration tasks. For more information, please reference the Database Specifications document for the REACS database.

3.5.2. Description

The PIH-REAC DCG database team is responsible for all database administration tasks. For more information, please reference the Database Specifications document for the REACS database.

3.5.3. Partition/File Interdependencies

The PIH-REAC DCG database team is responsible for all database administration tasks. For more information, please reference the Database Specifications document for the REACS database.

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3.6. Database Interfaces

3.6.1. Description of Operational Implications

The PIH-REAC DCG database team is responsible for all database administration tasks. For more information, please reference the Database Specifications document for the REACS database.

3.6.2. Description of Data Transfer Requirements

The PIH-REAC DCG database team is responsible for all database administration tasks. For more information, please reference the Database Specifications document for the REACS database.

3.6.3. Description of Formats of Data

The PIH-REAC DCG database team is responsible for all database administration tasks. For more information, please reference the Database Specifications document for the REACS database.

3.7. Error Handling

The PIH-REAC DCG database team is responsible for all database administration tasks. For more information, please reference the Database Specifications document for the REACS database.