

# **DATABASE SPECIFICATIONS**

*Public and Indian Housing  
Real Estate Assessment Center  
Resident Assessment Subsystem (RASS)  
Release 8.4.0.0*

**U.S. Department of Housing and Urban Development**

August 20, 2004

**Revision Sheet**

<b>Release No.</b>	<b>Date</b>	<b>Revision Description</b>
Rev. 1		Final Version
Rev. 1.2		Client Review
Rev. 1.1	8/12/2004	Internal Team Review
Rev. 1.0	8/10/2004	Initial document



## Database Specifications Authorization Memorandum

I have carefully assessed the Database Specifications for the Resident Assessment Subsystem (RASS) Release 8.4.0.0. 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.

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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.

\_\_\_\_\_  
Delton Nichols  
RASS Project Manager

\_\_\_\_\_  
DATE

\_\_\_\_\_  
Yangja Lee  
RASS GTM/IT Manager

\_\_\_\_\_  
DATE

# DATABASE SPECIFICATIONS

## TABLE OF CONTENTS

	<u>Page #</u>
<b>1. GENERAL INFORMATION.....</b>	<b>1-1</b>
1.1 Purpose.....	1-1
1.2 Scope.....	1-1
1.3 System Overview .....	1-2
1.4 Project References .....	1-3
1.5 Acronyms and Abbreviations .....	1-6
1.6 Points of Contact.....	1-7
1.6.1 Information .....	1-7
1.6.2 Coordination .....	1-8
1.6.3 Additional Points of Contact.....	1-8
1.6.4 Data Owners.....	1-8
<b>2. DATABASE IDENTIFICATION AND DESCRIPTION .....</b>	<b>2-1</b>
2.1 Naming Conventions .....	2-1
2.2 Database Identification .....	2-1
2.3 Systems Using the Database .....	2-1
2.4 Relationship to Other Databases .....	2-1
2.5 Schema Information.....	2-1
2.5.1 Description.....	2-1
2.5.2 Physical Design.....	2-2
2.5.3 Physical Structure .....	2-2
2.6 Data Dictionary.....	2-2
2.7 Special Instructions .....	2-2
<b>3. DATABASE ADMINISTRATIVE INFORMATION.....</b>	<b>3-1</b>
3.1 Responsibility .....	3-1
3.2 System Information.....	3-1
3.2.1 Database Management System (DBMS) Configuration.....	3-1
3.2.2 Hardware Configuration .....	3-1
3.2.3 Database Software Utilities.....	3-1
3.2.4 Support Software Available for Maintaining Database .....	3-1
3.2.5 Security .....	3-2
3.3 Storage Requirements .....	3-2
3.4 Recovery .....	3-2
3.5 Partition/File Information .....	3-3
3.5.1 Content.....	3-3
3.5.2 Description.....	3-4
3.5.3 Partition/File Interdependencies .....	3-4
3.6 Database Interfaces .....	3-4
3.6.1 Description of Operational Implications.....	3-4
3.6.2 Description of Data Transfer Requirements .....	3-4



## **1.0 GENERAL INFORMATION**

## 1.0 General Information

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# 1. GENERAL INFORMATION

## 1.1 Purpose

The RASS Release 8.4.0.0 Department of Housing and Urban Development (HUD) System Development Methodology (SDM) Database Specifications Document is one of five HUD SDM Design Phase deliverables. This series of HUD SDM Design Phase deliverables includes the System/Subsystem Specifications; Program Specifications; Validation, Verification and Testing (VVT) Plan; Training Plan; and Database Specifications.

This document outlines the RASS Release 8.4.0.0 Database Specifications for new and modified RASS functionality. This release includes: enhancing the PHA processes performance, At-Risk Report, enhancing the scoring process, Upgrading of reports, enhancing the Demographic and History Report, Fixing counts and comments on several reports and the removal of consortia functionality.

## 1.2 Scope

RASS Release 8.4.0.0 will expand on RASS Release 8.3.1.0 functionality and will be implemented by December 17, 2004. The following table describes the functionality to be implemented.

<b>New Capabilities (High Level)</b>
1. Update the RASS Implementation Plan Activity functionality to ensure that PHAs perform activities to implement the survey close to the defined Implementation Plan window.
2. Create an At-Risk PHA report to pull up a list of PHAs for a selected field office that are at risk of failing RASS.
3. Enhance the scoring process to provide the capability to automatically assign last year's survey scores for a selected PHA.

<b>Upgraded Capability (High Level)</b>
1. Update reports to support the changes to the PHAS regulations such as the Small PHA Deregulation Rule and FYE changes.
2. Expand the Demographic report to display PHA level survey section scores by a resident's age and gender.
3. Enhance the PHA History Report to display the total number of units, the number of low rent units, the number of Section 8 units, the number of occupied units for a PHA and update the Follow-up Plan certification information column to display "Not Required" if the Follow-Up Plan certification is not required.

<b>Elimination of Deficiencies</b>
1. Standardize the RASS Component access dates by implementing the same logic for inserting the certification window dates and the logic for verification against dates for all three components.
2. Fix the undeliverable address count calculation on the Required Survey Size Threshold Report to only display the counts for selected FYE.

## 1.0 General Information

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| 3. Fix the Comment functionality on the Review/Approve PHA Scores report to work with special characters. |
|---|

### Elimination/Reduction of Capabilities No Longer Needed

- |  |
|--|
| 1. Update the RASS online system to remove the consortia functionality as the calculation of a consortia PHA's score is being moved outside the PIH-REAC's Secure Systems. |
|--|

## 1.3 System Overview

RASS supports the Customer Service and Satisfaction Survey, which is the fourth indicator in HUD's Public Housing Assessment System (PHAS) Rule.

The following table identifies the system environment for RASS Release 8.4.0.0:

System Environment	
System	Real Estate Assessment Center System (REACS)
Subsystem	Resident Assessment Subsystem (RASS).
Sponsor	Public and Indian Housing – Real Estate Assessment Center (REAC)
PCAS	00307680
System Code	P089
System Category	Non-major
Operational Status	Operational
System Environment	Web Based
Requirements	Quality Software Services, Inc. (QSSI)
Design	QSSI
Development	QSSI
System and Integration Testing	QSSI
User Acceptance Testing	HUD RASS Client Team
Deployment	QSSI with REAC DCG (Paradigm Soln./ Booz-Allen & Hamilton)
Maintenance	QSSI

The following table identifies and briefly describes the different users of RASS:

User Environment	
REAC RASS Business Team	The REAC RASS Business Team uses RASS to view PHA and development-level scoring and certification reports and Multifamily Survey result information. The team also uses the system to complete the various processes (Unit Address Sampling; Implementation Plan; Survey and Follow-up Plan Scoring; RASS Score Approval) required during resident assessment.



## 1.0 General Information

<b>User Environment</b>	
Public Housing Agency (PHA)	PHA(s) use RASS to participate annually in the Resident Assessment process. PHA(s) certify their unit addresses, complete an Implementation Plan for resident notification about the annual resident survey process, and complete a Follow-up Plan outlining sources of funding and dates to be completed for required areas (low-scoring survey sections) identified by the resident survey results. PHA(s) may also use the system to view survey result and resident response rate information.
Survey Administrator	After the sampling program has generated a file of units to be surveyed, RASS downloads the sample file to the Survey Administrator. The Survey Administrator distributes the RASS survey to the units indicated in the sample file. Once the Survey Administrator collects and analyzes survey data, the survey results and response rate information are uploaded in RASS from the Survey Administrator so that PHA(s) and Multifamily Owners/Agents may view this information.
Multifamily (MF) Owners/Agents	MF Owners/Agents use RASS to view survey result information for their assigned properties.
Other HUD Users (includes HUD PIH Field Offices)	All other HUD users have read-only access to RASS in order to review PHA and Multifamily Housing development or property level survey result information.

## 1.4 Project References

The following documents are available to provide a comprehensive understanding of the resident assessment process. Most documents are available via the REAC Document Library.

Additionally, several of the documents listed below are available through the PHA Resident Assessment Internet site at

<http://www.hud.gov/offices/reac/products/prodrass.cfm>

<b>Release 8.4.0.0</b>
"RASS Release 8.4.0.0 Unit Test Plan", QSSI, 07/28/04
"RASS Release 8.4.0.0 System-Subsystem Specification", QSSI, 07/28/04
"RASS Release 8.4.0.0 Validation, Verification and Testing Plan", QSSI, 07/28/04
"RASS Release 8.4.0.0 Data Requirements Document", QSSI, 07/20/04
"RASS Release 8.4.0.0 System Support & Acquisition Plan", QSSI, 07/20/04
"RASS Release 8.4.0.0 Functional Requirements Document", QSSI, 07/14/04
"RASS Release 8.4.0.0 System Security & Privacy Plan", QSSI, 07/09/04
"RASS Release 8.4.0.0 Needs Statement", QSSI, 06/30/04
"RASS Release 8.4.0.0 Project Plan", QSSI, 06/30/04
"RASS Release 8.4.0.0 Feasibility Study", QSSI, 06/30/04
"RASS Release 8.4.0.0 Cost/Benefit Analysis", QSSI, 06/30/04
"RASS Release 8.4.0.0 System Decision Paper", QSSI, 06/30/04
"RASS Release 8.4.0.0 Risk Analysis", QSSI, 06/30/04

## 1.0 General Information

<b>Release 8.3.0.0</b>
"RASS Release 8.3.0.0 User's Manual", QSSI, 06/11/04
"RASS Release 8.3.0.0 Maintenance Manual", QSSI, 06/11/04
"RASS Release 8.3.0.0 Operations Manual", QSSI, 06/11/04
"RASS Release 8.3.0.0 System Test Results and Evaluation Report", QSSI, 4/15/04
"RASS Release 8.3.0.0 Validation, Verification, and Testing Plan", QSSI, 03/16/04
"RASS Release 8.3.0.0 Training Plan", QSSI, 03/16/04
"RASS Release 8.3.0.0 System-Subsystem Specifications", QSSI, 03/16/04
"RASS Release 8.3.0.0 Program Specifications", QSSI, 03/16/04
"RASS Release 8.3.0.0 Database Specification", QSSI, 03/16/04
"RASS Release 8.3.0.0 Unit Test Plan", QSSI, 03/09/04
"RASS Release 8.3.0.0 Data Requirements Document", QSSI, 12/19/03.
"RASS Release 8.3.0.0 Functional Requirements Document", QSSI, 12/19/03.
"RASS Release 8.3.0.0 System Support & Acquisition Plan", QSSI, 12/19/03.
"RASS Release 8.3.0.0 System Security & Privacy Plan", QSSI, 12/19/03.
"RASS Release 8.3.0.0 Needs Statement", QSSI, 12/09/03.
"RASS Release 8.3.0.0 Project Plan", QSSI, 12/09/03.
"RASS Release 8.3.0.0 Feasibility Study", QSSI, 12/09/03.
"RASS Release 8.3.0.0 Cost/Benefit Analysis", QSSI, 12/09/03.
"RASS Release 8.3.0.0 System Decision Paper", QSSI, 12/09/03.
"RASS Release 8.3.0.0 Risk Analysis", QSSI, 12/09/03.

<b>Release 8.2.0.0</b>
"RASS Release 8.2.0.0 Project Plan", QSSI, 10/09/03.
"RASS Release 8.2.0.0 Test Results and Evaluation Report", QSSI, 11/21/03.
"RASS Release 8.2.0.0 Functional Requirements Document", QSSI, 10/21/03.
"RASS Release 8.2.0.0 Program Specifications", QSSI, 11/14/03.
"RASS Release 8.2.0.0 System Specifications Document", QSSI, 10/21/03.
"RASS Release 8.2.0.0 Unit Test Plan", QSSI, 10/20/03.

<b>Releases 8.0.0.0 &amp; 8.1.0.0</b>
"RASS Releases 8.0.0.0 & 8.1.0.0 Maintenance Manual", QSSI, 06/17/03.
"RASS Releases 8.0.0.0 & 8.1.0.0 Operations Manual", QSSI, 06/17/03.
"RASS Releases 8.0.0.0 & 8.1.0.0 Unit Test Plan", QSSI, 06/17/03.
"RASS Releases 8.0.0.0 & 8.1.0.0 User's Manual", QSSI, 06/17/03.
"RASS Releases 8.0.0.0 & 8.1.0.0 User's Manual Appendix", QSSI, 06/17/03.
"RASS Releases 8.0.0.0 & 8.1.0.0 System Specifications Document", QSSI, 04/30/03.
"RASS Releases 8.0.0.0 & 8.1.0.0 Program Specifications Document", QSSI, 04/30/03.
"RASS Releases 8.0.0.0 & 8.1.0.0 Validation and Verification Plan", QSSI, 04/30/03.
"RASS Releases 8.0.0.0 & 8.1.0.0 Training Plan", QSSI, 04/30/03.
"RASS Releases 8.0.0.0 & 8.1.0.0 Database Specifications Document", QSSI, 04/30/03.
"RASS Releases 8.0.0.0 & 8.1.0.0 Data Requirements Document", QSSI, 03/18/03.
"RASS Releases 8.0.0.0 & 8.1.0.0 Functional Requirements Document", QSSI, 03/18/03.
"RASS Releases 8.0.0.0 & 8.1.0.0 System Support & Acquisition Plan", QSSI, 03/18/03.
"RASS Releases 8.0.0.0 & 8.1.0.0 System Security & Privacy Plan", QSSI, 03/18/03.

## 1.0 General Information

<b>Releases 8.0.0.0 &amp; 8.1.0.0</b>
"RASS Release 8.0.0.0 Needs Statement", QSSI, 01/10/03.
"RASS Release 8.0.0.0 Project Plan", QSSI, 01/10/03.
"RASS Release 8.0.0.0 Feasibility Study", QSSI, 01/10/03.
"RASS Release 8.0.0.0 Cost/Benefit Analysis", QSSI, 01/10/03.
"RASS Release 8.0.0.0 System Decision Paper", QSSI, 01/10/03.
"RASS Release 8.0.0.0 Risk Analysis", QSSI, 01/10/03.

<b>Release 7.1.0.0</b>
"RASS Release 7.1.0.0 User's Manual", Accenture, 01/25/2002.
"RASS Release 7.1.0.0 Integration Test Results and Evaluation Report", Accenture, 01/25/2002.
"RASS Release 7.1.0.0 System Test Results and Evaluation Report", Accenture, 01/25/2002.
"RASS Release 7.1.0.0 Release Notes", Accenture, 01/22/2002.
"RASS Release 7.1.0.0 Test Plan", Accenture, 12/18/2001.
"RASS Release 7.1.0.0 Validation, Verification, and Testing Plan", Accenture, 12/11/2001.
"RASS Release 7.1.0.0 System/Subsystem Specifications", Accenture, 11/15/2001.
"RASS Release 7.1.0.0 Database Specifications", Accenture, 11/15/2001.
"RASS Release 7.1.0.0 Program Specifications", Accenture, 11/15/2001.
"RASS Release 7.1.0.0 System Support and Acquisition Plan", Accenture, 11/06/2001.
"RASS Release 7.1.0.0 Functional Requirements Document", Accenture, 11/06/2001.
"RASS Release 7.1.0.0 Data Requirements Document", Accenture, 11/06/2001.
"RASS Release 7.1.0.0 System Security and Privacy Plan", Accenture 11/06/2001.
"RASS Release 7.1.0.0 Needs Statement", Accenture, 10/22/01.
"RASS Release 7.1.0.0 Project Plan", Accenture, 10/22/01.
"RASS Release 7.1.0.0 Feasibility Study", Accenture, 10/22/01.
"RASS Release 7.1.0.0 Cost/Benefit Analysis", Accenture, 10/22/01.
"RASS Release 7.1.0.0 Risk Analysis", Accenture, 10/22/01.

<b>Release 7.0.0.0</b>
"RASS Release 7.0.0.0 User's Manual", Accenture, 09/21/2001.
"RASS Release 7.0.0.0 System Decision Paper", Accenture, 09/21/01.
"RASS Release 7.0.0.0 Maintenance Manual", Accenture, 09/21/2001.
"RASS Release 7.0.0.0 Operations Manual", Accenture, 09/21/2001.
"RASS Release 7.0.0.0 Installation and Conversion Plan", Accenture, 09/21/2001.
"RASS Release 7.0.0.0 Integration Test Results and Evaluation Report", Accenture, 09/21/2001.
"RASS Release 7.0.0.0 System Test Results and Evaluation Report", Accenture, 08/30/2001.
"RASS Release 7.0.0.0 Release Notes", Accenture, 08/08/2001.
"RASS Release 7.0.0.0 Test Plan", Accenture, 07/19/2001.
"RASS Release 7.0.0.0 Training Plan", Accenture, 06/20/2001.
"RASS Release 7.0.0.0 Validation, Verification, and Testing Plan", Accenture, 06/20/2001.
"RASS Release 7.0.0.0 System/Subsystem Specifications", Accenture, 06/08/2001.
"RASS Release 7.0.0.0 Database Specifications", Accenture, 06/08/2001.
"RASS Release 7.0.0.0 Program Specifications", Accenture, 06/08/2001.
"RASS Release 7.0.0.0 Project Schedule/ Workplan", Accenture, 05/31/2001.
"Accenture Quality Control Plan", Accenture, 05/31/2001.

## 1.0 General Information

<b>Release 7.0.0.0</b>
"RASS Release 7.0.0.0 System Support and Acquisition Plan", Accenture, 05/14/2001.
"RASS Release 7.0.0.0 Functional Requirements Document", Accenture, 05/14/2001.
"RASS Release 7.0.0.0 Data Requirements Document", Accenture, 05/14/2001.
"RASS Release 7.0.0.0 System Security and Privacy Plan", Accenture 05/14/2001.
"RASS Release 7 Multifamily Functionality Business Requirements Document (draft)", Version 1.1, KPMG, 04/25/2001.
"FY2001 Resident Assessment Risk Assessment (Update)", Accenture, 05/15/2001.
"FY2001 Resident Assessment Feasibility Study (Update)", Accenture, 05/15/2001.
"FY2001 Resident Assessment Cost/Benefit Analysis (Update)", Accenture, 05/15/2001.
"FY2001 Resident Assessment Project Plan (Update)", Accenture, 05/15/2001.
"FY2001 Resident Assessment Needs Statement (Update)", Accenture, 05/15/2001.

## 1.5 Acronyms and Abbreviations

The following table defines terms and acronyms that may be used throughout the SDM Define Phase Documentation for RASS Release 8.4.0.0.

<b>Term</b>	<b>Definition</b>
APP	Annual Performance Plan
BAH	Booz-Allen & Hamilton
BOP	Business Operating Plan
BRD	Business Requirements Document
DCG	Development Coordination Group
FRD	Functional Requirements Document
FYE	Fiscal Year End
HA	Housing Agency/Housing Authority
HUD	Department of Housing and Urban Development
HUDCAPS	HUD Central Accounting Processing System
HUDWeb	HUD's Intranet Web Site
JAD	Joint Application Development
MF	Multifamily
MFH	Multifamily Housing
NASS	Integrated Assessment Subsystem
OMB	Office of Management and Budget
PDF	Portable Document Format
PHA	Public Housing Agency/Public Housing Authority
PHAS	Public Housing Assessment System
PIC	PIH Information Center
PIH	Public and Indian Housing
POC	Point of Organizational Contact
QSSI	Quality Software Services, Inc.
RASS	ResidentAssessment Subsystem
REAC	Real Estate Assessment Center

## 1.0 General Information

Term	Definition
REACS	Real Estate Assessment Center System
SDM	System Development Methodology
SOA	Section of the Act
TAC	Technical Assistance Center (formerly the Customer Service Center)
TARC	Troubled Agency Recovery Center
TRACS	Tenant Rental Assistance Certification System
TBD	To Be Defined
WASS	Web Access Security System

## 1.6 Points of Contact

### 1.6.1 Information

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

Contact Name	Organization	Telephone Number
Linda M. Hooks	HUD – Contracting Officer	202-708-1772 ext.5474
Yvette T. Conner	HUD – GTR	202-708-1817 ext.2620
Delton Nichols	REAC – RASS Project Manager	202-708-4932 ext.3115
Yangja K. Lee	REAC – RASS GTM/IT Manager	202-708-4932 ext.3081
Kevin N. Jones	REAC – RASS Assistant IT Manager	202-708-4932 ext.3111
Patrick Evans	BAH	202-708-4932 ext.3021
Gautam Ijoor	QSSI	202-708-4932 ext.3954
Alex Rozental	QSSI	202-708-4932 ext.3442
Eugene Lubarsky	QSSI	202-708-4932 ext.3152
Tanuj Sinha	QSSI	202-708-4932 ext.3332
Robin Hilton	QSSI	202-708-4932 ext.3453
Theresa Han	QSSI	202-708-4932 ext.3476
Robert Armstrong	QSSI	202-708-4932 ext.3458

Contact	Contact Information
RASS System Administrator	Delton Nichols, in coordination with the WASS subsystem, will facilitate RASS system administration as needed. 202-708-4932 ext.3115
REAC Technical Assistance Center	1-888-245-4860
REAC RASS E-mail address	REAC_RASS@hud.gov
REAC Internet Site	<a href="http://www.hud.gov/offices/reac/index.cfm">http://www.hud.gov/offices/reac/index.cfm</a>
REAC RASS Internet Site	<a href="http://www.hud.gov/offices/reac/products/prodrass.cfm">http://www.hud.gov/offices/reac/products/prodrass.cfm</a>

## 1.0 General Information

Contact	Contact Information
REAC Intranet Site	<a href="http://hudweb.hud.gov/po/reac">http://hudweb.hud.gov/po/reac</a>
HUD Customer Service Center Branch	1-202-708-3300

### 1.6.2 Coordination

Coordination must occur among the following organizations to successfully implement RASS Release 8.4.0.0:

Organization	Support Function
Paradigm Soln./BAH	Development Coordination, Installation, Deployment
HUD IT	Implementation Coordination, Installation, Deployment
Mandaree/Pea rson	3 <sup>rd</sup> Party Contractor: Resident Communication/Survey Support
QSSI	Requirements, Design, Development, Testing, Maintenance, Technical Support /Operations, Project Management
REAC	Business Requirements Support, Project Management
WASS	Security

Listed below are the coordination dates to which each Public Housing Assessment System (PHAS) must adhere in order to achieve the December 17, 2004 release date for Release 8.4.0.0.

Code Locked Date	Integration Test Start Date	Integration Test End Date	Final HARTS Request Submission Date	Release Date
10/19/2004	10/27/2004	11/30/2004	12/01/2004	12/17/2004

### 1.6.3 Additional Points of Contact

This section is not applicable for Release 8.4.0.0 of RASS.

### 1.6.4 Data Owners

The PIH-REAC RASS Business Manager (currently Delton Nichols) owns the data. DCG is responsible for maintaining the production database. Contact information for RASS and DCG is as follows:

Contact Name	Organization	Telephone Number
John Zuber	PIH-REAC DCG IT Manager	202-708-4932 ext.3950
Delton Nichols	PIH-REAC RASS Project Manager	202-708-4932 ext.3115

## 1.0 General Information

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Contact Name	Organization	Telephone Number
Yangja Lee	PIH-REAC RASS IT Manager	202-708-4932 ext.3081
Kevin Jones	PIH-REAC RASS IT Assistant Manager	202-708-4932 ext.3111
Patrick Evans	BAH	202-708-4932 ext.3021

## **2.0 DATABASE IDENTIFICATION AND DESCRIPTION**



## 2.0 Database Identification and Description

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## 2. DATABASE IDENTIFICATION AND DESCRIPTION

### 2.1 Naming Conventions

RASS naming conventions have not changed for RASS Release 8.4.0.0. The naming conventions for the logical and physical reacs database utilize a descriptive lowercase convention with underscores between data element names. The team formats data element names to meet a 32-character Sybase size requirement. Any descriptive name that does not meet this limit have the first vowel removed from the end of the element name while still retaining its descriptive meaning until the size requirement is met.

### 2.2 Database Identification

RASS Release 8.4.0.0 application uses the reacs database on the “nthhqp08” server. Reference Appendix A for a list of the database tables used by RASS.

### 2.3 Systems Using the Database

The PIH-REAC subsystems currently using the reacs database are:

- Integrated Assessment Subsystem (NASS),
- Physical Assessment Subsystem (PASS),
- Financial Assessment Subsystem – Public Housing (FASS-PH),
- Financial Assessment Subsystem – Multifamily (FASS-MF),
- Management Assessment Subsystem (MASS),
- Resident Assessment Subsystem (RASS),
- Quality Assurance Subsystem (QASS).

### 2.4 Relationship to Other Databases

The reacs database interfaces with the following other databases for the RASS Release 8.4.0.0 Application: HEREMS, and reacs\_staging.

### 2.5 Schema Information

The overall schema of the reacs database has not changed for RASS Release 8.4.0.0.

#### 2.5.1 Description

Users can find descriptions of new RASS Release 8.4.0.0 and existing data elements in Appendix A of this document. New data elements are shaded and in bold font. There are no changes for RASS Release

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## 2.0 Database Identification and Description

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8.4.0.0 for database schemas, access control keys, concurrence locking, data name mapping, partition/file limitations, or access path limitations.

### 2.5.2 Physical Design

There will be no physical design changes to the reacs database for Release 8.4.0.0.

### 2.5.3 Physical Structure

The HUDSYSTEMS\COMMON folder of PVCS provides the latest physical data model reacs.er1 for RASS. Please refer to Appendix B for a graphical representation of the physical structures to be implemented in the RASS Release 8.4.0.0.

## 2.6 Data Dictionary

Appendix A of this document provides the entire data dictionary for RASS.

## 2.7 Special Instructions

There are no special instructions for RASS Release 8.4.0.0.

### **3.0 DATABASE ADMINISTRATIVE INFORMATION**

## **3. DATABASE ADMINISTRATIVE INFORMATION**

### **3.1 Responsibility**

The responsibility for database administration functions for the reacs database has not changed for RASS Release 8.4.0.0. The Development Coordination Group (DCG), an organization within PIH-REAC, monitors and maintains RASS data. The DCG is responsible for managing the data for all PIH-REAC subsystems. The DCG functions as the database administrator and system administrator, ISG supports the overall HUD system effort, and the WASS team functions as the security administrator.

### **3.2 System Information**

#### **3.2.1 Database Management System (DBMS) Configuration**

The reacs database is a relational database running on Sybase 12.5 software. There are no changes for RASS Release 8.4.0.0 to the DBMS Configuration.

#### **3.2.2 Hardware Configuration**

The reacs database resides on a Windows 2000 Advanced Server platform. There are no changes to the hardware configuration for RASS Release 8.4.0.0.

#### **3.2.3 Database Software Utilities**

Database software utilities for use and maintenance of the reacs database include ERWIN, SQL Programmer and SQL Advantage. The team uses ERWIN for data modeling, and SQL Programmer and SQL Advantage for data retrieval. There are no changes to the database software utilities for RASS Release 8.4.0.0.

#### **3.2.4 Support Software Available for Maintaining Database**

Support software available for maintaining the reacs database includes ERWIN, SQL Programmer and SQL Advantage. The team uses ERWIN for data modeling, and SQL Programmer and SQL Advantage for data retrieval. There are no changes to the support software available for maintaining the database for RASS Release 8.4.0.0.

### 3.0 Database Administrative Information

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#### 3.2.5 Security

The Web Access Security System (WASS) is responsible for providing secure connections for the HUD PIH-REAC Enterprise System. Reference the WASS 3.2 System Security and Privacy Plan for more information. There are no security changes for RASS Release 8.4.0.0.

### 3.3 Storage Requirements

The storage requirements of the reacs database is minimal for RASS Release 8.4.0.0. There will be an additional action code 'FSM' to identify the assigning of last assessment survey score. The increase of data storage into the participant\_assess\_action table will be minimal.

### 3.4 Recovery

HUD IT controls the recovery procedures for PIH-REAC systems. The production web file baseline is located on a separate server under PVCS version control. Also, daily backups of the production database are kept on a separate tape drive. HUD IT is able to recover any lost code or data if a failure occurs. In addition, the RASS application incorporates transaction rollback functionality within appropriate stored procedures. This provides the integrity of production data in the event of system failure during processing. Additionally, there is a disaster recovery facility in Reston. There are no modifications to this section for RASS Release 8.4.0.0.

The following is an overview and diagram of the equipment capabilities required for RASS Release 8.4.0.0, as well as the equipment presently available, and the characteristics of any new equipment:

- The RASS houses the internet and intranet applications on a web farm consisting of six UNIX-based Netscape Enterprise servers in a clustered configuration.
- REAC operates on two DELL 8640 Poweredge database servers with 800mhz Pentium Pro processors. Both servers have 8GB of RAM and 400GB of hard disk storage.
- The RASS client machines are personal computers with modem or local area network web access.

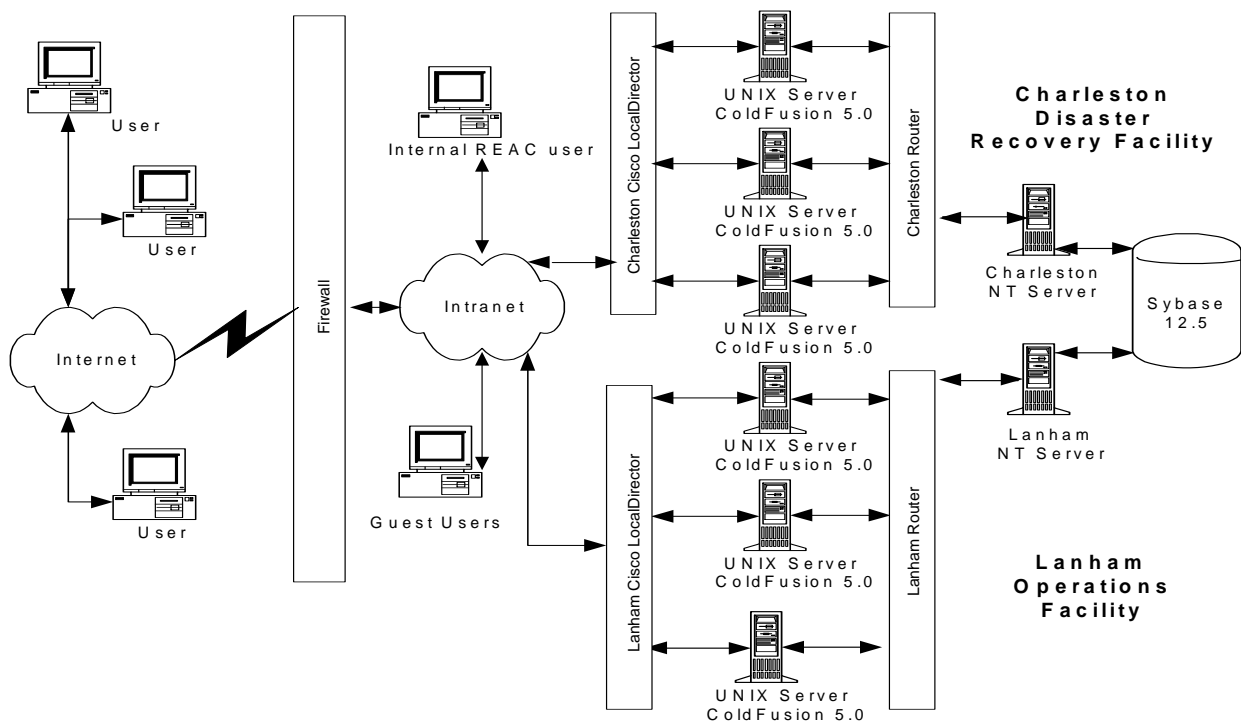
The following is a table of specifications for the Web cluster currently running the RASS application:

SW/HW	Hudapps 5	Hudapps 6	Hudapps 8	Hudapps 9	Hudapps 10	Hudapps 11	Hudapps 12	Hudapps 13
OS	Solaris 8							
Application server	Allaire's ColdFusion 5.0							
Web server	iPlanet Web server 7							
Cluster S/W	Interwoven's TeamSite 5.5.2 & OpenDeploy 5.5.1							
LDAP	Netscape Directory Server	Netscape Directory Server	Netscape Directory Server	Netscape Directory Server	(none)	(none)	(none)	(none)

### 3.0 Database Administrative Information

SW/HW	Hudapps 5	Hudapps 6	Hudapps 8	Hudapps 9	Hudapps 10	Hudapps 11	Hudapps 12	Hudapps 13
	4.1.6SP1	4.1.6SP1	4.1.6SP1	4.1.6SP1				
Machine Type	Sun Enterprise 3500	Sun Enterprise 3500	Sun Enterprise 450	Sun Enterprise 3500	Sun Enterprise 420R	Sun Enterprise 420R	Sun Enterprise 420R	Sun Enterprise 420R
CPU	4X336MH Z	4X336MH Z	4X400MH Z	2X336MH Z	4X450MH Z	4X450MH Z	4X450MH Z	4X450MH Z
RAM	1GBRAM	1GBRAM	1GBRAM	1GBRAM	4GB RAM	4GB RAM	4GB RAM	4GB RAM
HDD	8X9GB	8X9GB	36GB	2X9GB 1X18GB	2X38GB local, SAN	2X38GB local, SAN	2X38GB local, SAN	2X38GB local, SAN

The following diagram describes the Lanham Operations Facility and the Reston Disaster Recovery Facility.



## 3.5 Partition/File Information

### 3.5.1 Content

There are no modifications to the partition/file content for RASS Release 8.4.0.0.

### **3.0 Database Administrative Information**

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#### **3.5.2 Description**

There are no modifications to the partition/file descriptions for RASS Release 8.4.0.0.

#### **3.5.3 Partition/File Interdependencies**

There are no modifications to the partition/file interdependencies for RASS Release 8.4.0.0.

### **3.6 Database Interfaces**

#### **3.6.1 Description of Operational Implications**

There are no new operational implications for interfaces to be implemented in RASS Release 8.4.0.0. Please reference the RASS Release 8.4.0.0 Functional Requirements Document (07/20/2004) for information from previous RASS releases.

#### **3.6.2 Description of Data Transfer Requirements**

There are no new data transfer requirements for RASS Release 8.4.0.0.

#### **3.6.3 Description of Formats of Data**

No changes were made to description of formats of data.

### **3.7 Error Handling**

RASS performs data validation before the data is transmitted to the PIH-REAC servers. Therefore, if data is not correctly formatted, the user receives an error message and is unable to execute the transmission. In addition, RASS validates the data prior to being stored in the database.

## **APPENDIX A: DATA DICTIONARY**



## Appendix A: Data Dictionary

### APPENDIX A: DATA DICTIONARY

The following is the Data Dictionary for RASS Release 8.4.0.0.

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
1	application_component_ref	component_id	smallint	Numeric value identifier for the four main components of the survey administration process. This column provides the numeric identification for component_name.  (Note: Column values in the database are numeric only. Component names are provided in range of values for descriptive purposes only.)	1- Unit Information
					2- Implementation Plan
					3- Follow-Up Plan
					4- Surveys Sent/ Surveys Returned
1	application_component_ref	component_name	varchar (40)	The four main components of the survey administration process. This column provides the text string for component_id.	Unit Information
					Implementation Plan

## Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					Follow-up Plan
					Surveys sent/Surveys returned
1	application_component_ref	component_description	varchar (255)	<b>This field is not used by the RASS business team.</b>	
2	application_window_ref	fy_end_dt	datetime	Fiscal year end date (e.g., 9/30/1999). For RASS business purposes, this column provides the fiscal year end date to which the associated time window applies.	
2	application_window_ref	assessment_yr	numeric(4)	Assessment (or calendar) year to which the associated time window applies.	
2	application_window_ref	component_id	smallint	Numeric value identifier for the four main components of the survey administration process. This column provides the numeric identification for component_name.  (Note: Column values in the database are numeric only. Component names are	1- Unit Information

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
				provided in range of values for descriptive purposes only.)	
					2- Implementation Plan
					3- Follow-Up Plan
					4- Surveys Sent/ Surveys Returned
2	application_window_ref	begin_dt	datetime	Begin date of the associated time window. For RASS business purposes, this column represents the date on which an assessment component began. (For example, to determine the unit address certification start date for a particular FYE cycle, one would select Begin_dt for component_id 1 for appropriate fye_end_dt and assessment_yr.)	
2	application_window_ref	end_dt	datetime	End date of the time window. For RASS business purposes, this column represents the date on which an assessment component ended. (For example, to determine the Implementation Plan certification end date for a particular FYE cycle, one would select End_dt for component_id 2 for appropriate fye_end_dt and	

## Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
				assessment_yr.)	
2	application_window_ref	last_update_dt	datetime	Date the record was last updated. For RASS business purposes, this is useful in determining the age of the record.	
2	application_window_ref	last_update_userid	char(6)	User who performed the last update on the record. For RASS business purposes, this column provides the user id (internal) of the user who last performed the record update.	
3	business_interaction	object_id	smallint	Unique identifier for a RASS business item. For RASS business purposes, object_id is a category in which action_codes reside. They provide a more general description of the nature of the business action. [although this is a smallint field, text descriptions have been provided in this documentation to enhance the description] Smallint is a specific data type which refers to an integer value ranging from -32,768 to 32,767.	7- Assessment
					8- PHAS Adjustment
					10- Petition and Appeals

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
3	business_interaction	action_code	char(3)	Code representing various business actions that one can take within a HUD system. The business team uses action codes to identify the status of an assessment component. For example, status codes can be used to determine survey scores adjusted after release. An action code is inserted at each stage in the assessment, so that the history of the assessment (e.g., assessment initialization, survey sampling, survey score calculation, survey score approval, PHAS score creation, PHAS score release, PHA appeal, score adjustment, etc.) can be traced. [Although this is a char(3) field, text descriptions have been provided in this documentation to enhance the description.]	ACP- Complaint-RASS
					APV- Approved RASS Survey
					CAS- Approved
					CRI- Create RASS Assessment

## Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					CRS- Adjusted RASS Score
					DEF- Deferment
					DFP- Decertify PHA follow-up plan
					DIP- Decertify PHA imp plan
					DUA- Decertify PHA unit addresses
					FLG- Flagging scores
					FSA- Flagging scores
					FSB- Flagging scores
					FSC- Flagging scores
					FSD- Flagging scores
					FSE- Flagging scores
					FSF- Flagging scores
					FSG- Flagging scores
					FSH- Flagging scores
					FSI- Flagging scores
					FSJ- Flagging scores
					FSK- Flagging scores
					FSL- Flagging scores

## Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					<b>FSM- Flagging scores</b>
					HAS- QA Analysis - RASS
					HRS- Release QA Analysis - RASS
					PAR- Appeal Board Adjustment - RASS
					RCI- Implementation Plan
					RCU- Unit Addresses
					RCV- Follow-Up Plan
					RPI- RASS PIC Interface
					RRS- RASS Original
					RSA- RASS Assessment Active
					RSH- RASS Assessment on Hold
					RST- Resident Satisfaction Tech Correction
					SAC-Invalidated
					SAR-Subsystem Analysis - RASS
					SCA-Appeal Received RASS
					SCH-Scheduled
					SCL-Invalidated correspondence

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					RASS
					SCW- Special Circum Waiver-RASS
					SMP- Survey Sampling
					SPI- RASS PIC Interface
					SRS- RASS PHA Sampling
					TAI- Tech. Adj. - Implmntn Plan
					TAS- Tech. Adj. - Survey Results
					TAU- Tech. Adj. - Follow-up Plan
					TCO- Technical Correction-RASS
					TCR- Technical Review-RASS
3	<b>business_interaction</b>	system_id	char(6)	A unique identifier of a sub-system. Identifies which sub-system (i.e. PASS, RASS, MASS ,etc -only RASS currently used) the business action component is related.	RASS



**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
3	business_interaction	status_name	varchar (30)	Name indicating the status of a business action taken on a component of the survey administration process. This column provides a text name for the action codes referenced in action_code.	Approved
					Deferment
					Scheduled
					Invalidated
					RASS Original
					Complaint-RASS
					Follow-Up Plan
					Unit Addresses
					Flagging scores
					Survey Sampling
					RASS PHA Sampling
					QA Analysis - RASS
					RASS PIC Interface
					Adjusted RASS score
					Implementation Plan
					Appeal Received RASS

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					Approved RASS survey
					Technical Review-RASS
					Create RASS Assessment
					Decertify PHA imp plan
					RASS Assessment Active
					RASS Assessment on Hold
					Subsystem Analysis - RASS
					Technical Correction-RASS
					Release QA Analysis - RASS
					Special Circum Waiver-RASS
					Tech. Adj. - Implmntn Plan
					Tech. Adj. - Follow-up Plan
					Tech. Adj. - Survey Results
					Decertify PHA follow-up plan
					Decertify PHA unit addresses
					Appeal Board Adjustment - RASS
					Invalidated correspondence RAS

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					Resident Satisfaction Tech Cor
3	<b>business_interaction</b>	status_description	varchar (255)	Textual description of the status of a business action. This column provides a lengthier description of the action codes referenced in action_code and status_name.	Survey Sampled
					Complaint - RASS
					QA Analysis - RASS
					Appeal Received RASS
					RASS Assessment Active
					Unit Address Certified
					RASS Assessment on Hold
					Technical Review - RASS
					Follow-up Plan Certified
					Survey Scoring Scheduled
					Subsystem Analysis - RASS
					RASS Survey Score Approval
					Release QA

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					Analysis - RASS
					RASS PIC Interface Executed
					Tech. Adj. - Follow-up Plan
					Tech. Adj. - Survey Results
					Technical Correction - RASS
					RASS PIC Interface Scheduled
					Resident Assessment Approved
					Implementation Plan Certified
					Appeal Board Adjustment - RASS
					RASS Generate Sample Scheduled
					RASS Score Component Adjustment
					Resident Assessment Invalidated
					Tech. Adj. - Implementation Plan
					Special Circumstance Waiver - RASS
					PHA correspondence for Invalidated RASS score

## Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					Resident Satisfaction Indicator Technical Correction
					Action code to flag when no surveys were sent to PHA.
					Action code to flag when the PHA has a survey score of zero.
					Action code to flag when the PHA has the maximum survey score.
					Action code to flag when number surveys returned is less than or equal to 1.
					Action code to flag PHAs that are participating the Moving to Work program.
					Action code to mark when a PHA needs to run through the flagging stored procedure.
					Action code to flag PHAs that have insufficient surveys returned to issue a valid score.

## Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					Action code to flag when number of surveys sent is less than 10% of PHAs total unit count.
					Action code to flag PHAs that experienced a FYE change during the current assessment period.
					Action code to flag when number of surveys returned is less than 10% of number of surveys sent.
					Action code to flag when the number of surveys returned equals or exceeds the number of surveys sent.
					Action code to flag a high percentage discrepancy between last years survey score and the current survey score.
					Action code to flag a high percentage discrepancy between last years surveys sent count and the current

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					surveys sent count
4	client_group_ref	client_group_key	int	This table provides a numeric identifier for Multifamily property client types (e.g. disabled, elderly, etc. [Although this is a int field, text descriptions have been provided in this documentation to enhance the description.]	1- Disabled
					2- Elderly
					3- Family
					4- Health Care
					5- Null
4	client_group_ref	client_group_code	char(3)	This table provides a three character code to identify various Multifamily property client types (e.g. disabled, elderly, etc. [Although this is a char(3) field, text descriptions have been provided in this documentation to enhance the description.]	00-Null Client
					A-Sec207 elderly hsg. - hsg act of 56
					CMI-Chronically Mentally Ill

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					ELD-Elderly
					FAM-Indv. families - not eld/ handicap
					GC-General Care
					HIV-Human Immunodeficiency Virus
					IC-Intermediate Care Facility
					PAC-Partially elderly congregate
					PAH-Partially elderly handicapped
					PAM-Partially eld - hskpg & congregate
					PPH-Partially physically handicapped
					SK-Skilled Care Facility
					WAC-Wholly elderly congregate
					WAH-Wholly Elderly Housekeeping
					WAM-Wholly elderly - hskpg & congregat
					WDD-Wholly developmentally disabled
					WPD-Wholly physically disabled
					WPH-Wholly physically handicapped



**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
4	client_group_ref	client_group_grp_name	varchar (50)	Column containing the names of population types served by Multifamily assistance programs. This information is imported for each program type from the Real Estate Management System (REMS).	Family
					Elderly
					Disabled
					Health Care
4	client_group_ref	client_group_name	varchar (70)	Column identifying subgroups of Multifamily property types served by Multifamily assistance programs. The Multifamily property types are referenced by code in client_group_code.	Chronically Mentally Ill
					Human Acq. Immunodeficiency Virus
					Partially physically handicapped
					Wholly developmentally disabled
					Wholly physically disabled
					Wholly physically handicapped
					Sec207 elderly hsg. - hsg act of 56

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					Elderly
					Partially elderly congregate
					Partially elderly handicapped
					Partially eld - hskpg & congregate
					Wholly elderly congregate
					Wholly Elderly Housekeeping
					Wholly elderly - hskpg & congregat
					Indv. families - not eld/ handicap
					General Care
					Intermediate Care Facility
					Skilled Care Facility
					NULL_client
5	<b>contractor_commnectn_activity</b>	communication_id	int	Numeric identifier for various communications transmitted between PIH-REAC and the Survey Administrator in the course of each assessment cycle. [Although this is a int field, text descriptions have been provided in this documentation to enhance the description.]	1- Initial Letter
					2- Lead Letter
					3-Reminder Letter

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					4- PHA Mailing Address
					5-Survey Language Req
					6-Unit Mailing Address
					7-Survey
					8-Survey Decode Report
					9-Survey Flat File
					10-Undeliverable Addresses
5	contractor_commnectn_activity	communication_version_id	int	The version number of the various communication components transmitted between PIH-REAC and the Survey Administrator in the course of each assessment cycle.	1 - 137
5	contractor_commnectn_activity	group_id	smallint	Identifier for a group of components for various assessment areas. This column helps to identify whether results are associated with Multifamily or Public Housing.	2- Survey Results
					87- Multifamily Survey

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
5	contractor_commnectn_activity	version_id	smallint	Version of a current group of components. Once defined, if any of the parameters change, a new version id for the new group is required.	1,2,3,4
5	contractor_commnectn_activity	initial_letter_id	numeric(4)	Unique identifier for each version of the resident survey initial letter. Identifier indicates version, issue date and text.	1,2,3
5	contractor_commnectn_activity	effective_from_date	datetime	Date this version of the communication component is effective. A communication component is any communication that passes between RASS and the third party survey administrator. Communication_id in contractor_communication indicates the communications that are transmitted between the survey contractor and REAC in the course of each assessment.	
5	contractor_commnectn_activity	effective_to_date	datetime	Date this version of the communication component expires.	
5	contractor_commnectn_activity	status_code	char(3)	Status of the communication component.	A
					NULL

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
5	contractor_commnectn_activity	internet_posted_date	datetime	Date the communication component was posted on the internet.	
5	contractor_commnectn_activity	file_location_id	varchar (100)	Location of the file containing the communication component.	
6	contractor_communication	communication_id	int	The numeric identifier for a piece of communication for the Survey Administrator. Communication_ids indicate the communications that are transmitted between the survey contractor and REAC in the course of each assessment. REAC provides the letters and address files to the contractor for mailing, and the contractor returns data results to PIH-REAC. [Although this is a int field, text descriptions have been provided in this documentation to enhance the description.]	1- Initial letter
					2-Lead letter
					3-Reminder letter
					4-PHA mailing address
					5-Survey language Ref
					6-Unit Mailing Address

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					7-Survey
					8-Survey Decode Report
					9-Survey Flat File
6	<b>contractor_communication</b>	communication_name	char(20)	Name of the communication item (e.g., initial letter, PHA addresses). For business purposes, this column indicates communications that are transmitted between the survey contractor and REAC in the course of each assessment. REAC provides the letters and address files to the contractor for mailing, and the contractor returns data results.	Initial Letter
					Lead Letter
					Reminder Letter
					PHA Mailing Address
					Survey Language Req
					Unit Mailing Address
					Survey
					Survey Decode Report
					Survey Flat File
					Undeliverable Address

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
6	contractor_communication	communication_description	varchar (255)	Description of the communication item for the Survey Administrator. This column indicates the communications that are transmitted between the Survey Administrator and REAC in the course of each assessment. REAC provides the letters and address files to the Survey Administrator for mailing, and the contractor returns data results.	Initial Letter
					Lead Letter
					Reminder Letter
					PHA Mailing Addresses
					Survey Language Requirements
					Unit Mailing Addresses
					Survey
					Survey Decode Report
					Survey Flat File
					Undeliverable Address File

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
6	<b>contractor_communication</b>	communication_type	char(1)	Indicator defining whether a communication is for download or upload. The business team is not aware of the source of these values. [Although this is a char(1) field, text descriptions have been provided in this documentation to enhance the description.]	U-Upload
					D-Download
7	<b>contractor_download_activity</b>	contractor_id	int	Unique identifier of a contractor. This contractor is the Survey Administrator engaged to handle mail and data processing. It transmits data to and from REAC via RASS. (Note: The current Survey Administrator Mandaree/Pearson is not currently listed in the database.) [Although this is a int field, text descriptions have been provided in this documentation to enhance the description.]	1-MSX International



**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
7	contractor_download_activity	communication_id	int	The numeric identifier for a piece of communication for the Survey Administrator. Communication_ids indicate the communications that are transmitted between the survey contractor and REAC in the course of each assessment. REAC provides the letters and address files to the contractor for mailing, and the contractor returns data results to PIH-REAC. [Although this is a int field, text descriptions have been provided in this documentation to enhance the description.]	1-Initial Letter
					2- Lead Letter
					3- Reminder Letter
					4- PHA Mailing Addresses
					5- Survey Language Requirements
					6- Unit Mailing Addresses
					7- Survey
					8- Survey Decode Report
7	contractor_download_activity	communication_version_id	int	Version of the communication component.	1, 2, 3, 4

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
7	<b>contractor_download_activity</b>	communication_download_date	datetime	Date that a communication component is downloaded.	
8	<b>contractor_upload_activity</b>	contractor_id	int	Unique identifier of a contractor. This contractor is the administrator engaged to handle mail and data processing. It transmits data to and from REAC via RASS.  (Note: The current Survey Administrator Mandaree/Pearson is not currently listed in the database.) [although this is a int field, text descriptions have been provided in this documentation to enhance the description]	1-MSX International
8	<b>contractor_upload_activity</b>	communication_id	int	The numeric identifier for a piece of communication for the Survey Administrator. Communication_ids indicate the communications that are transmitted between the survey contractor and REAC in the course of each assessment. REAC provides the letters and address files to the contractor for mailing, and the contractor returns data results to PIH-REAC. [Although this is a int field, text descriptions have been provided in this	9-Survey Flat File

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
				documentation to enhance the description.]	
					10- Undeliverable Address File
8	<b>contractor_upload_activity</b>	help_text	int	Version of this communication component.	1, 2
8	<b>contractor_upload_activity</b>	file_upload_date	datetime	Date the surveys were uploaded. The survey administrator uploads raw survey results in several batches throughout the survey cycle.	
8	<b>contractor_upload_activity</b>	upload_file_type	char(3)	Type of file information being uploaded (i.e. survey - sur, undeliverable unit addresses - adr). [although this is a char(3) field, text descriptions have been provided in this documentation to enhance the description]	Adr- Undeliverable unit addresses
					Sur-Survey data type
8	<b>contractor_upload_activity</b>	upload_file_location_id	varchar (100)	Location of the survey upload file.	
8	<b>contractor_upload_activity</b>	upload_file_desc_text	varchar(30)	Description of the uploaded surveys.	

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
8	contractor_upload_activity	upload_file_status_code	char(3)	The status of the survey data upload. This indicates to the business team whether the Survey Administrator upload process has been successful. [although this is a char(3) field, text descriptions have been provided in this documentation to enhance the description]	CMP-Pending
					Val-Validated
					Err-Error
8	contractor_upload_activity	validation_message	varchar (100)	<b>This field is not used by the RASS business team.</b>	
8	contractor_upload_activity	survey_fiscal_year_end	datetime	Fiscal Year end and assessment year for which files are uploaded. This field is entered by the Survey Administrator on the page in which it uploads files, although it is not linked to the data in the raw survey files. It is merely for reference with the file.	
8	contractor_upload_activity	assess_create_date	datetime	Assessment creation date for a Multifamily assessment cycle. This field serves as part of the unique identifier for each survey project initiated by Multifamily.	

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
8	contractor_upload_activity	survey_count	int	Number of surveys in the file. This field tracks the number of respondent surveys reflected in the uploaded batch of responses. The RASS team compares this to the number of records added to project_survey_response to ensure that all of the data was uploaded to the database.	
8	contractor_upload_activity	record_count	int	Number of records in the file. This field tracks the number of survey question responses reflected in the uploaded batch of responses. The RASS team compares this to the number of records added to resident_survey_response to ensure that all of the data was uploaded to the database.	
9	form_ref	form_ref_id	numeric (6)	This number uniquely identifies a form	4010, 4011, 4012, 4020, 4021, 4023, 4030, 4031, 4032, 4034, 4035, 4040, 4041, 4042, 4043, 4051, 4070, 4080, 4081, 4082, 4083, 4084, 4090, 4091, 4092, 4093, 4096, 4097, 4098, 4099, 4100, 4101 (OMB Message)

**Appendix A: Data Dictionary**

<b>Table #</b>	<b>Table Name</b>	<b>Data Element Name</b>	<b>Data Type</b>	<b>Data Element Description</b>	<b>Range of Values</b>
9	form_ref	form_ref_desc	varchar (255)	This field contains a description of the form and its functionality	RESIDENT ASSESSMENT - FIELD OFFICE SCORE REPORT
					RESIDENT ASSESSMENT - FIELD OFFICE LANGUAGE REPORT SCREEN
					RESIDENT ASSESSMENT - PHA INFORMATION SCREEN
					RESIDENT ASSESSMENT - MULTIFAMILY SAMPLING VERSION SCREEN
					RESIDENT ASSESSMENT - MULTIFAMILY REVIEW/EDIT SAMPLING REFERENCE SCREEN
					RESIDENT ASSESSMENT - MULTIFAMILY SAMPLE CRITERIA SELECTION SCREEN

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					RESIDENT ASSESSMENT - REVIEW/EDIT MULTIFAMILY SURVEY
					RESIDENT ASSESSMENT - MULTIFAMILY SURVEY MAIN SELECTION
					RESIDENT ASSESSMENT - SELECT MULTIFAMILY ANSWER SET
					RESIDENT ASSESSMENT - MULTIFAMILY SURVEY PREVIEW REPORT
					RESIDENT ASSESSMENT - REVIEW/EDIT MULTIFAMILY SURVEY ANSWERS
					RESIDENT ASSESSMENT - MULTIFAMILY SCORING SELECTION SCREEN
					RESIDENT ASSESSMENT - REVIEW/APPROVE MULTIFAMILY

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					SCORES
					RESIDENT ASSESSMENT - REVIEW/APPROVE MULTIFAMILY SCORES MONTH/YEAR SELECTION SCREEN
					RESIDENT ASSESSMENT - REVIEW/APPROVE MULTIFAMILY SCORES SAMPLED TIME SELECTION SCREEN
					RESIDENT ASSESSMENT - MULTIFAMILY REPORT CRITERIA SELECTION SCREEN
					RESIDENT ASSESSMENT - CONSORTIUM RESULTS HELP
					RESIDENT ASSESSMENT - MF REPORT SELECTION
					RESIDENT ASSESSMENT - MF SAMPLING



**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					SELECTION
					RESIDENT ASSESSMENT - FIELD OFFICE RESPONSE RATE SCREEN
					RESIDENT ASSESSMENT - PHA USER GUIDANCE SCREEN
					RESIDENT ASSESSMENT - FIELD OFFICE REPORT SELECTION
					RESIDENT ASSESSMENT - USER GUIDANCE VERSION SCREEN
					RESIDENT ASSESSMENT - USER GUIDANCE UPLOAD SCREEN
					RESIDENT ASSESSMENT - USER GUIDANCE COMPONENT SCREEN
					RESIDENT ASSESSMENT - SURVEY ADMINISTRATOR COMMUNICATION

## Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					S
					RESIDENT ASSESSMENT - SURVEY ADMINISTRATOR COMMUNICATION S
					RESIDENT ASSESSMENT - SURVEY UPLOAD STATUS
					RESIDENT ASSESSMENT - SURVEY UPLOAD DETAILS SUMMARY
					RESIDENT ASSESSMENT - SURVEY UPLOAD DETAILED ERRORS
					RESIDENT ASSESSMENT - REVIEW SURVEY FILE SELECTION
					OMB Approval Notice
9	form_ref	form_ref_category_desc	varchar (255)	<b>This field is not used by the RASS business team.</b>	

## Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
9	form_ref	form_ref_date_effective	datetime	This field is not used by the RASS business team.	
9	form_ref	form_ref_date_expired	datetime	This field is not used by the RASS business team.	
9	form_ref	help_text	text	This field is not used by the RASS business team.	
10	group_item_threshold	item_id	int	Identifier for a piece of data collected by REAC or a derived piece of data used to evaluate how a PHA is performing. These are the identifiers of the survey questions, stored in indicator_group_item.	1 - 76, 401001. (See reference table Indicator_group_item).

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
10	group_item_threshold	group_id	smallint	A numeric identifier used to associate a similar group of survey items (questions). For example, there are several separate questions that relate to maintenance and repair. [although this is a small int field, text descriptions have been provided in this documentation to enhance the description]	3- Maintenance and Repair
					4-Communication
					5-Safety
					6-Services
					7-Appearance
					53-Null
					54-Null
					55-Null
					3 - 7, 53, 54, 55
10	group_item_threshold	version_id	smallint	Version of a current group of components. Once defined, if any of the parameters change, a new version id for the new group is required. For example, version IDs for RASS range from 1 through 4 (see Range of Values to the right) indicating the version of the system containing the current group of components.	1,2,3,4

## Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
10	group_item_threshold	threshold_range_id	int	Identifier for an instance of an item threshold or threshold range. This is the identifier of the response value on the form. This field, combined with item_id, group_id, and version_id, links each question to the response given by linking resident_survey_response to indicator_group_item.	
10	group_item_threshold	response_group_id	smallint	<b>This field is not used by the RASS business team.</b> Identifier for a group of components. This is used to link to resident_survey_response (in which survey responses are stored) to indicator_group_item (in which the text of the questions is stored) and group_response (in which the text of the responses is stored). [although this is a int field, text descriptions have been provided in this documentation to enhance the description]	2-Survey Results

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
10	group_item_threshold	response_version_id	smallint	Version of a current group of components. Once defined, if any of the parameters change, a new version id for the new group is required.	1,2,3,4
10	group_item_threshold	response_id	int	Identifier for a response within a group version. The response, such as 1 - yes, can be used for multiple items. This is the identifier of the responses to the questions, stored in group_response.	1-89 (Reference group_response)
10	group_item_threshold	item_threshold_weight	numeric (10,5)	Weight assigned to any data item collected that equals this threshold or falls within the threshold range. This is the score associated with each response to each question for each group_id and version_id. Responses are on a 0%-125% scale, divided by ten in the database (i.e., ranging from 0-0.125). A value of -1 means that the response is not scoreable (e.g., "does not apply"), and is thus excluded in scoring calculations.	-1 - 0.125

## Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
10	group_item_threshold	item_low_range_decimal_num	numeric (12,2)	This field is not used by the RASS business team.	
10	group_item_threshold	item_high_range_decimal_num	numeric (12,2)	This field is not used by the RASS business team.	
10	group_item_threshold	item_low_range_pct	numeric (10,5)	This field is not used by the RASS business team.	
10	group_item_threshold	item_high_range_pct	numeric (10,5)	This field is not used by the RASS business team.	
10	group_item_threshold	item_low_range_number	numeric (12)	This field is not used by the RASS business team.	
10	group_item_threshold	item_high_range_number	numeric (12)	This field is not used by the RASS business team.	
10	group_item_threshold	item_low_range_date	datetime	This field is not used by the RASS business team.	

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
10	group_item_threshold	item_high_range_date	datetime	This field is not used by the RASS business team.	
10	group_item_threshold	response_sequence_number	numeric (4)	Order of this response within the group version item.	1 - 5
10	group_item_threshold	peer_group_group_id	smallint	This field is not used by the RASS business team.	
10	group_item_threshold	peer_group_version_id	smallint	This field is not used by the RASS business team.	
10	group_item_threshold	participant_size_id	smallint	This field is not used by the RASS business team.	
10	group_item_threshold	region_cd	char(3)	This field is not used by the RASS business team.	
10	group_item_threshold	response_grouping_number	numeric(4,0)	This field is not used by the RASS business team.	



Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
10	group_item_threshold	decision_path_id	int	This field is not used by the RASS business team.	
11	group_item_threshold_tier_ctgy	item_id	int	Identifier for a piece of data collected by REAC or a derived piece of data used to evaluate how a PHA is performing. For business purposes, this column indicates the identifiers of the survey questions. [although this is a int field, text descriptions have been provided in this documentation to enhance the description]	RASS range 1 - 200000
					1: Display Poster(s)
					2: Display Flyers to Residents
					3: Resident Meeting or Newsletter
					4: How satisfied are you with your unit/home?
					5: If you called for NON-EMERGENCY maintenance or repairs (for example, toilet plugged up, gas leak, etc.), the work is usually completed in:

## Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					6: Based on your experience, how satisfied are you with: how easy it was to request repairs?
					7: Based on your experience, how satisfied are you with: how well you were treated by the person you contacted for repairs?
					8: Based on your experience, how satisfied are you with: how well were you
					9: If you called NON-EMERGENCY maintenance or repairs (for example, leaky faucet, broken light, etc.), the work is usually completed in:
					10: Based on your experience, how satisfied are you with: how well were you treated by the person doing the repairs?

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					11: How satisfied are you with the following: your unit/home?
					12: How satisfied are you with the following: your development/building?
					13: How satisfied are you with the following: your neighborhood?
					14: Do you think management provides you information about: maintenance and repair (for example: water shut-off, boiler shut-down, modernization activities)?
					15: Do you think management provides you information about: the rules of your lease?
					16: Do you think management provides you information about: meetings and events?

## Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					17: Do you think management is: responsive to your questions and concerns?
					18: Do you think management is: courteous and professional with you?
					19: Do you think management is: supportive of your resident organization?
					20: Are you involved in a resident organization in your housing development?
					21: How safe do you feel: in your unit/home?
					22: How safe do you feel: in your building?
					23: How safe do you feel: in your parking area?
					24: Do you think any of the following contribute to crime in your development? (mark all that apply)

## Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					25: If residents in your development break the rules in the lease, does management take action?
					26: Are you aware of any crime prevention programs available to residents (for example, Neighborhood Watch, Block Watch, or Street Patrol)?
					27: Over the last year, how many problems, if any, have you had with electricity or heat?
					28: If you had a problem with electricity or heat, how long did it take to fix?
					29: Over the last year, how many problems, if any, have you had with kitchen appliances (for example, stove, refrigerator, etc)?
					30: If you had problems with kitchen appliances,

## Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					how long did it take to fix?
					31: Over the last year, how many problems, if any, have you had with water or plumbing (for example, toilets, hot water, etc.)?
					32: If you had any problems with water or plumbing, how long did it take to fix?
					33: Over the last year, how many problems, if any, have you had with smoke detectors?
					34: If you had a problem with smoke detectors, how long did it take to fix?
					35: How satisfied are you with the upkeep of the following areas in your development: common areas (for example: stairways, walkways, hallways, etc.)?

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					36: How satisfied are you with the upkeep of the following areas in your development: exterior of buildings?
					37: How satisfied are you with the upkeep of the following areas in your development: parking areas?
					38: How satisfied are you with the upkeep of the following areas in your development: recreation areas (for example, playgrounds and other outside facilities)?
					39: How often, if at all, are any of the following a problem in your development: abandoned cars?
					40: How often, if at all, are any of the following a problem in your development: broken glass?

# Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					41: How often, if at all, are any of the following a problem in your development: graffiti?
					42: How often, if at all, are any of the following a problem in your development: noise?
					43: How often, if at all, are any of the following a problem in your development: rodents and insects (indoors)?
					44: How often, if at all, are any of the following a problem in your development: trash/litter?
					45: How often, if at all, are any of the following a problem in your development: vacant units?



## Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					46: If there is a person with a permanent disability in your household who has difficulty moving around, did your management make necessary changes to your unit if you requested them (example, grab bars, lowered light, switches, wheelchair access)?
					47: Would you recommend your housing development to a friend or family member seeking public housing?
					48: What is your gender?
					49: How old are you?
					50: What is your race/ethnicity? (mark all that apply)
					51: How long have you lived in your housing development?
					52: How much do you pay in rent each month (including utilities)?

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					53: Do you think any of the following contribute to crime in your development? (mark all that apply) - Broken locks
					54: Do you think any of the following contribute to crime in your development? (mark all that apply) - Location of housing development
					55: Do you think any of the following contribute to crime in your development? (mark all that apply) - Police do not screen
					56: Do you think any of the following contribute to crime in your development? (mark all that apply) - Residents don't care
					57: Do you think any of the following contribute to crime in your development? (mark all that apply) - Resident screening

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					58: Do you think any of the following contribute to crime in your development? (mark all that apply) - Vacant units
					59: Follow-up Plan for Maintenance
					60: Follow-up Plan for Commun
					61: Follow-up Plan for Safety
					62: Follow-up Plan for Services
					63: Follow-up Plan for Neigh App
					64: How satisfied are you with the following: Your property/building's management?
					65: Since moving into your current residence, have you had blood lead level testing for yourself and/or your family members?
					66: What is your ethnicity?
					67: demographic_score
					68: Address Flag VCA

## Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					69: Address Flag VCB
					70: Address Flag VCC
					71: Address Flag VCD
					72: Address Flag VCE
					73: Address Flag VCF
					74: Total Units
					75: Total Flagged Units
					401001: Would you recommend your housing development to a friend or family member seeking public housing?
12	group_response	group_id	smallint	Identifier for a group of components. [although this is a smallint field, text descriptions have been provided in this documentation to enhance the description]	2-Survey Results
12	group_response	version_id	smallint	Version of this group of components. Once locked, if any of the individual components or group parameters change, a new version of the group is required.	1,2,3,4

## Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
12	group_response	response_id	int	Identifier for a response within a group version. The response, such as 1 - yes, can be used for multiple items. This is the identifier for the response text. It is linked to group_item_threshold via group_id and version_id to track how each resident responded to each question on the survey. [although this is a int field, text descriptions have been provided in this documentation to enhance the description]	1- Very Satisfied
					2- Satisfied
					3- Dissatisfied
					4- Very Dissatisfied
					5- Does Not Apply
					6- Blank Answer
					7- Have Never Called
					8- 1 to 3 Times
					9- 4 to 6 Times
					10- More than 6 Times
					11- Less Than 1 Week
					12-1 to 4 Weeks

## Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					13- More than 4 Weeks
					14- Problem Never Corrected
					15- Less Than 6 Hours
					16- 6 to 24 Hours
					17-More than 24 Hours
					18- Strongly Agree
					19-Agree
					20-Disagree
					21-Strongly Disagree
					22-Very Safe
					23-Safe
					24-Unsafe
					25- Very Unsafe
					26-Bad Lighting
					27-Broken Locks
					28-Location housing development
					29-Police do not respond
					30-Resident's don't care
					31- Resident screening
					32- Vacant units

## Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					33- Yes
					34- No
					35- Don't Know
					36- Never had a problem
					37- 1 to 3 Problems
					38- 4 to 6 Problems
					39- More than 6 problems
					40- Never
					41- Sometimes
					42- Often
					43- Always
					44- Made No Such Request
					45- Male
					46- Female
					47- Caucasian/White
					48- African-American/Black
					49- Asian/Pacific Islander
					50- Native American/Indian
					51- Hispanic

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					52- Other
					53- Less than 6 months
					54- 6 Months to 2 Years
					55- 2 to 5 Years
					56- Over 5 Years
					57- 18-24
					58- 25-34
					59- 35-44
					60- 45-54
					61- 55-61
					62- 62+
					63- Less than \$100 Per Month
					64- \$100 to \$199 Per Month
					65- \$200 to \$299 Per Month
					66- \$300 to \$399 Per Month
					67- Marked
					68- Not Marked



## Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					69- Problem Never Fixed
					70- \$400 to \$499 Per Month
					71- \$500 or More Per Month
					72- 1 to 2 Times
					73- 3 to 4 Times
					74- More Than 4 Times
					75- 1 to 2 Problems
					76- 3 to 4 Problems
					77- More Than 4 Problems
					78- Most of the time
					79- American Indian/Alaskan Indian
					80- Asian
					81- Black/African American
					82- Native Hawaiian/Other PI
					83- White
					84- Hispanic or Latino
					85- Not Hispanic or Latino
					86- Very Effective
					87- Effective

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					88- Ineffective
					89- Very Ineffective
12	<b>group_response</b>	response_name	char(30)	Name of the response. This is the specific text of each response to one or more survey questions. The response may correspond to a different threshold_range_id and score (item_threshold_weight) for different questions (item_ids). This table is linked to group_item_threshold to track this information.	Very Satisfied
					Satisfied
					Dissatisfied
					Very Dissatisfied
					Does Not Apply
					Blank Answer
					Have Never Called
					1 to 3 Times
					4 to 6 Times
					More than 6 Times
					Less Than 1 Week
					1 to 4 Weeks
					More than 4 Weeks
					Problem Never Corrected

## Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					Less Than 6 Hours
					6 to 24 Hours
					More than 24 Hours
					Strongly Agree
					Agree
					Disagree
					Strongly Disagree
					Very Safe
					Safe
					Unsafe
					Very Unsafe
					Bad Lighting
					Broken Locks
					Location housing development
					Police do not respond
					Resident's don't care
					Resident screening
					Vacant units
					Yes
					No
					Don't Know
					Never had a problem
					1 to 3 Problems

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					4 to 6 Problems
					More than 6 problems
					Never
					Sometimes
					Often
					Always
					Made No Such Request
					Male
					Female
					Caucasian/White
					African-American/Black
					Asian/Pacific Islander
					Native American/Indian
					Hispanic
					Other
					Less than 6 months
					6 Months to 2 Years
					2 to 5 Years
					Over 5 Years
					18-24
					25-34

## Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					35-44
					45-54
					55-61
					62+
					Less than \$100 Per Month
					\$100 to \$199 Per Month
					\$200 to \$299 Per Month
					\$300 to \$399 Per Month
					Marked
					Not Marked
					Problem Never Fixed
					\$400 to \$499 Per Month
					\$500 or More Per Month
					1 to 2 Times
					3 to 4 Times
					More Than 4 Times
					1 to 2 Problems
					3 to 4 Problems
					More Than 4 Problems

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					Most of the time
					American Indian/Alaskan Indian
					Asian
					Black/African American
					Native Hawaiian/Other PI
					White
					Hispanic or Latino
					Not Hispanic or Latino
					Very Effective
					Effective
					Ineffective
					Very Ineffective
12	<b>group_response</b>	response_description	varchar(255)	Textual description of the response given by the resident.	Very Satisfied
					Satisfied
					Dissatisfied
					Very Dissatisfied
					Does Not Apply
					Blank Answer

## Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					Have Never Called
					1 to 3 Times
					4 to 6 Times
					More than 6 Times
					Less Than 1 Week
					1 to 4 Weeks
					More than 4 Weeks
					Problem Never Corrected
					Less Than 6 Hours
					6 to 24 Hours
					More than 24 Hours
					Strongly Agree
					Agree
					Disagree
					Strongly Disagree
					Very Safe
					Safe
					Unsafe
					Very Unsafe
					Bad Lighting
					Broken Locks
					Location housing development

## Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					Police do not respond
					Resident's don't care
					Resident screening
					Vacant units
					Yes
					No
					Don't Know
					Never had a problem
					1 to 3 Problems
					4 to 6 Problems
					More than 6 problems
					Never
					Sometimes
					Often
					Always
					Made No Such Request
					Male
					Female
					Caucasian/White
					African-American/Black



## Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					Asian/Pacific Islander
					Native American/Indian
					Hispanic
					Other
					Less than 6 months
					6 Months to 2 Years
					2 to 5 Years
					Over 5 Years
					18-24
					25-34
					35-44
					45-54
					55-61
					62+
					Less than \$100 Per Month
					\$100 to \$199 Per Month
					\$200 to \$299 Per Month
					\$300 to \$399 Per Month
					Marked
					Not Marked

## Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					Problem Never Fixed
					\$400 to \$499 Per Month
					\$500 or More Per Month
					1 to 2 Times
					3 to 4 Times
					More Than 4 Times
					1 to 2 Problems
					3 to 4 Problems
					More Than 4 Problems
					Most of the time
					American Indian/Alaskan Indian
					Asian
					Black/African American
					Native Hawaiian/Other PI
					White
					Hispanic or Latino
					Not Hispanic or Latino
					Very Effective
					Effective

## Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					Ineffective
					Very Ineffective
12	group_response	category_id	int	This field is not used by the RASS business team.	
12	group_response	category_group_id	smallint	This field is not used by the RASS business team.	
12	group_response	category_version_id	smallint	This field is not used by the RASS business team.	
12	group_response	response_level	int	This field is not used by the RASS business team.	
12	group_response	response_criticality	int	This field is not used by the RASS business team.	
12	group_response	response_type	varchar(20)	This field is not used by the RASS business team.	

## Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
13	indicator_group	group_id	smallint	Numeric identifier for each sub-indicator. [although this is a smallint field, text descriptions have been provided in this documentation to enhance the description]	1-Resident Assessment
					2- Survey
					3- Survey Maintenance and Repair Section
					4- Survey Communication Section
					5- Survey Safety Section
					6- Survey Services Section
					7- Survey Neighborhood Appearance Section
					8- Implementation Plan/Follow-up Plan
					9- Implementation Plan
					10- Follow-up Plan
					11- Follow-up Plan for Maintenance and Repair
					12-Follow-up Plan for Communication

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					13- Follow-up Plan for Safety
					14- Follow-up Plan for Services
					15- Follow-up Plan for Neighborhood Appearance
					53- Overall Satisfaction Section
					54- Conclusion Section
					55- General Information Section
13	<b>indicator_group</b>	group_name	varchar (60)	Numeric identifier for each sub-indicator. [although this is a smallint field, text descriptions have been provided in this documentation to enhance the description]	Resident Assessment
					Survey
					Survey Maintenance and Repair Section
					Survey Communication Section
					Survey Safety Section
					Survey Services Section
					Survey Neighborhood Appearance Section

## Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					Implementation Plan/Follow-up Plan
					Implementation Plan
					Follow-up Plan
					Follow-up Plan for Maintenance and Repair
					Follow-up Plan for Communication
					Follow-up Plan for Safety
					Follow-up Plan for Services
					Follow-up Plan for Neighborhood Appearance
					Overall Satisfaction Section
					Conclusion Section
					General Information Section
13	indicator_group	group_description	varchar (255)	<b>This field is not used by the RASS business team.</b>	
14	indicator_group_item	item_id	int	Identifier for each piece of data collected or derived by REAC from the survey and used to evaluate a property. The same item_id might be a different question in a different group_id or version_id.	1 - 76, 401001

## Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
14	indicator_group_item	group_id	smallint	Identifier for a group of components.	3, 4, 5, 6, 7, 53, 54, 55 (reference table indicator_group)
14	indicator_group_item	version_id	smallint	Version of this group of components. Once locked, if any of the individual components or group parameters change, a new version of the group is required.	1,2,3, 4
14	indicator_group_item	data_type	char(3)	Domain of the data collected by REAC or derived data. (i.e. chr, num, dec)	dat, num, txt
14	indicator_group_item	item_scoring_threshold_type	char(3)	Code identifying which threshold or threshold range to use to evaluate a piece of data collected or derived by REAC.	rsp
14	indicator_group_item	item_weight	numeric (10,5)	Weighting assigned to a piece of data collected by REAC or derived indicating its importance related to the evaluation. This is the weight of the survey question as a proportion of all of the questions in the section (group_id). When computing assessment_scores for each group_id, each respondent's item_threshold_weight is averaged and then weighted	

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
				by this field, to obtain each resident's contribution to the PHA or project assessment_score for that group_id.	
14	indicator_group_item	item_sequence_number	smallint	Order of this item within the group version.	
14	indicator_group_item	negative_ind	char(1)	This is Boolean value that indicates if a negative value is acceptable for this item. Boolean is a data type for data that can be either one value or another, such as one or zero, true or false, yes or no, etc.	N, Y
14	indicator_group_item	zero_ind	char(1)	This is a Boolean value that indicates if a zero is an acceptable value for this item.	N, Y
14	indicator_group_item	mandatory_ind	char(1)	This is a Boolean value that indicates if a value is mandatory for this item.	N, Y
14	indicator_group_item	item_name	char(30)	Name of the piece of data collected by REAC or derived by REAC.	Display Poster(s)



**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					Display Poster(s)
					Distribute Flyers to Residents
					Distribute Flyers to Residents
					Resident Meeting or Newsletter
					Follow-up Plan for Maintenance
					Follow-up Plan for Commun
					Follow-up Plan for Safety
					Follow-up Plan for Services
					Follow-up Plan for Neigh App
14	indicator_group_item	item_text	varchar (255)	This is the text of the survey questions.	Over the last year, how many times have you called for maintenance or repairs?
					If you called for EMERGENCY maintenance or repairs (for example: toilet plugged up, gas leak, etc.), the work was usually completed in:
					Based on your experience, how satisfied are you with: how easy it

## Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					was to request repairs?
					Based on your experience, how satisfied are you with: how well you were treated by the person you contacted for repairs?
					Based on your experience, how satisfied are you with: how well the repairs were done?
					If you called NON-EMERGENCY maintenance or repairs (for example: leaky faucet, broken light, etc.), the work was usually completed in:
					Based on your experience, how satisfied are you with: how well you were treated by the person doing the repairs?
					How satisfied are you with the following: your unit/home?

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					How satisfied are you with the following: your property/building?
					How satisfied are you with the following: your neighborhood?
					Do you think management provides you information about: maintenance and repair (for example: water shut-off, boiler shut-down, modernization activities)?
					Do you think management provides you information about: the rules of your lease?
					Do you think management provides you information about: meetings and events?
					Do you think management is: responsive to your questions and concerns?

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					Do you think management is: courteous and professional with you?
					Do you think management is: supportive of your resident/tenant organization?
					Are you involved in a resident/tenant organization in your housing property?
					How safe do you feel: in your unit/home?
					How safe do you feel: in your building?
					How safe do you feel: in your parking area?
					Do you think any of the following contribute to crime in your property? (mark all that apply) - Bad lighting
					If residents in your property break the rules in the lease that pertain to safety, does management take

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					action?
					If management takes action, how would you rate its actions?
					Over the last year, how many problems, if any, have you had with electricity or heat?
					If you had a problem with electricity or heat, how long did it take to fix?
					Over the last year, how many problems, if any, have you had with kitchen appliances (for example: stove, refrigerator, etc)?
					If you had problems with kitchen appliances, how long did it take to fix?
					Over the last year, how many problems, if any, have you had with water or plumbing

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					(for example: toilets, hot water, etc.)?
					If you had any problems with water or plumbing, how long did it take to fix?
					Over the last year, how many problems, if any, have you had with smoke detectors?
					If you had a problem with smoke detectors, how long did it take to fix?
					How satisfied are you with the upkeep of the following areas in your property: common areas (for example: stairways, walkways, hallways, etc.)?
					How satisfied are you with the upkeep of the following areas in your property: exterior of buildings?

## Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					How satisfied are you with the upkeep of the following areas in your property: parking areas?
					How satisfied are you with the upkeep of the following areas in your property: recreation areas (for example: playgrounds and other outside facilities)?
					How often, if at all, are any of the following a problem in your property: abandoned cars?
					How often, if at all, are any of the following a problem in your property: broken glass?
					How often, if at all, are any of the following a problem in your property: graffiti?
					How often, if at all, are any of the following a problem in your property: noise?

# **Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					How often, if at all, are any of the following a problem in your property: rodents and insects (indoors)?
					How often, if at all, are any of the following a problem in your property: trash/litter?
					How often, if at all, are any of the following a problem in your property: vacant units?
					If there is a person with a permanent disability in your household who has difficulty moving around, did your management make necessary changes to your unit if you requested them (for example: grab bars, lowered light switches, wheelchair access)?



**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					Since moving into your current residence, have you been told by a doctor, nurse, or other health department official that any of your children (who live with you) have lead poisoning or a high level of lead in their blood?
					What is your gender?
					How old are you?
					What is your race (mark all that apply)?
					How long have you lived in your housing property?
					How much do you pay in rent each month (including utilities)?
					Do you think any of the following contribute to crime in your property? (mark all that apply) - Broken locks
					Do you think any of the following contribute to crime in your property?

## Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					(mark all that apply) - Location of housing property
					Do you think any of the following contribute to crime in your property? (mark all that apply) - Police do not respond
					Do you think any of the following contribute to crime in your property? (mark all that apply) - Residents don't care
					Do you think any of the following contribute to crime in your property? (mark all that apply) - Resident screening
					Do you think any of the following contribute to crime in your property? (mark all that apply) - Vacant units
					How satisfied are you with the following: Your property/building's management?

## Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					Since moving into your current residence, have you had blood lead level testing for yourself and/or your family members?
					What is your ethnicity?
					Would you recommend your housing property to a friend or family member seeking public housing?
14	indicator_group_item	item_text2	varchar(255)	<b>This field is not used by the RASS business team.</b>	
14	indicator_group_item	help_text	text	<b>This field is not used by the RASS business team.</b>	
15	indicator_group_score_rcmmndtn	group_id	smallint	Numeric identifier for a group of components. [although this is a smallint field, text descriptions have been provided in this documentation to enhance the description]	3-Maintenance and Repair
					4-Communication
					5-Safety
					6-Services
					7-Appearance
					53- NULL
					54-NULL
					55-NULL

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
15	indicator_group_score_rcmmndtn	version_id	smallint	Version of this group of components. Once locked, if any of the individual components or group parameters change, a new version of the group is required.	1,2,3,4
15	indicator_group_score_rcmmndtn	recommendation_id	smallint	Identifier for the recommendation related to this group for the specific point value range.	1
15	indicator_group_score_rcmmndtn	group_score_low_num	numeric(10,5)	Low range number for the group score.	0
15	indicator_group_score_rcmmndtn	group_score_high_num	numeric(10,5)	High range number for the group score.	1
15	indicator_group_score_rcmmndtn	group_score_range_name	char(20)	Name for this group score range.	
15	indicator_group_score_rcmmndtn	group_score_recommendation_txt	text	Text describing the recommendation to the PHAs if score for the group falls within this specific value range. This is an improvement recommendation given to a PHA. It is triggered for each group_id if the score is between group_score_low_num and group_score_high_num.	

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
16	indicator_group_version	group_id	smallint	Identifier for a group of components.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 53, 54, 55 (Reference table indicator_group)
16	indicator_group_version	version_id	smallint	Version of this group of components. Once locked, if any of the individual components or group parameters change, a new version of the group is required.	1,2,3,4
16	indicator_group_version	effective_from_dt	datetime	The beginning effective date for this version of the group and its components.	
16	indicator_group_version	effective_to_dt	datetime	The expiration date for this version of the group and its components.	
16	indicator_group_version	group_version_name	varchar (25)	Common name used for the group version.	RASS PHA 1999 Assessment
					RASS 2000 Assessment
					RASS 2000-2001 Assessment
					RASS 2003 Revised (OMB)
					Fiscal Year 1999
					1999

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
16	indicator_group_version	max_value	numeric(10,5)	The maximum number of points at which this group version is valued.	1, 2, 3, 5, 10
16	indicator_group_version	optional_item_cnt	smallint	The number of optional activities that a PHA can enter as part of its plan.	NULL, 0, 3
16	indicator_group_version	last_update_date	datetime	Date of the last update.	
16	indicator_group_version	last_update_user_id	char(6)	Identification of the user who last updated this group version occurrence.	
16	indicator_group_version	group_comment_text	varchar(255)	Textual comment describing the group.	Resident Assessment
					Implementation Plan/Follow Up
					Implementation Plan
					Follow-Up Plan
					Follow-Up Plan for Maintenance
					Follow-Up Plan for Communication
					Follow-Up Plan for Safety
					Follow-Up Plan for

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					Services
					Follow-Up Plan for Neighborhood
					Survey Results
					Maintenance and Repair
					Communication
					Safety
					Services
					Appearance
17	indicator_group_versn_apprvl	group_id	smallint	Identifier for a group of components.	2- Survey Results
17	indicator_group_versn_apprvl	version_id	smallint	Version of this group of components. Once locked, if any of the individual components or group parameters change, a new version of the group is required.	1,2,3,4
17	indicator_group_versn_apprvl	approval_number	char(12)	Number assigned by OMB when a form or survey is approved.	2507-0001

## Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
17	indicator_group_versn_apprvl	approval_date	datetime	Date that the form is approved by PIH-REAC.	
18	initial_letter	initial_letter_id	numeric(4)	Unique identifier for a resident survey initial letter to the participants.	1, 2, 3
18	initial_letter	initial_letter_eff_from_dt	datetime	<b>This field is not used by the RASS business team.</b>	
18	initial_letter	initial_letter_eff_to_dt	datetime	<b>This field is not used by the RASS business team.</b>	
18	initial_letter	initial_letter_name	char(20)	<b>This field is not used by the RASS business team.</b>	
18	initial_letter	initial_letter_text	varchar (255)	<b>This field is not used by the RASS business team.</b>	
18	initial_letter	last_update_date	datetime	<b>This field is not used by the RASS business team.</b>	
18	initial_letter	last_update_user_id	char(6)	<b>This field is not used by the RASS business team.</b>	
19	initial_letter_component	initial_letter_id	numeric(4)	Unique identifier for a resident survey initial letter to the participants.	



**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
19	initial_letter_component	initial_letter_sequence_number	numeric(4)	Additional sequence number used for uniqueness.	
19	initial_letter_component	init_lett_component_common_nam	char(20)	The name of the component.	
19	initial_letter_component	init_lett_component_location_t	char(100)	The location of the component.	
20	item	item_id	int	Numeric identifier for an item name which identifies a piece of assessment data collected by PIH-REAC used to evaluate how a PHA is performing.	1 - 76
20	item	item_name	char(30)	Name of the piece of data collected or derived by REAC. [although this is a char(30) field, text descriptions have been provided in this documentation to enhance the description]	RASS range 1 - 200000
					1: Display Poster(s)
					2: Display Flyers to Residents
					3: Resident Meeting or Newsletter
					4: How satisfied are you with your unit/home?
					5: If you called for NON-EMERGENCY

## Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					maintenance or repairs (for example, toilet plugged up, gas leak, etc.), the work is usually completed in:
					6: Based on your experience, how satisfied are you with: how easy it was to request repairs?
					7: Based on your experience, how satisfied are you with: how well you were treated by the person you contacted for repairs?
					8: Based on your experience, how satisfied are you with: how well were you
					9: If you called NON-EMERGENCY maintenance or repairs (for example, leaky faucet, broken light, etc.), the work is usually completed in:

## Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					10: Based on your experience, how satisfied are you with: how well were you treated by the person doing the repairs?
					11: How satisfied are you with the following: your unit/home?
					12: How satisfied are you with the following: your development/building?
					13: How satisfied are you with the following: your neighborhood?
					14: Do you think management provides you information about: maintenance and repair (for example: water shut-off, boiler shut-down, modernization activities)?
					15: Do you think management provides you information about: the rules of your lease?

## Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					16: Do you think management provides you information about: meetings and events?
					17: Do you think management is: responsive to your questions and concerns?
					18: Do you think management is: courteous and professional with you?
					19: Do you think management is: supportive of your resident organization?
					20: Are you involved in a resident organization in your housing development?
					21: How safe do you feel: in your unit/home?
					22: How safe do you feel: in your building?
					23: How safe do you feel: in your parking area?

## Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					24: Do you think any of the following contribute to crime in your development? (mark all that apply)
					25: If residents in your development break the rules in the lease, does management take action?
					26: Are you aware of any crime prevention programs available to residents (for example, Neighborhood Watch, Block Watch, or Street Patrol)?
					27: Over the last year, how many problems, if any, have you had with electricity or heat?
					28: If you had a problem with electricity or heat, how long did it take to fix?
					29: Over the last year, how many problems, if any, have you had with

## Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					kitchen appliances (for example, stove, refrigerator, etc)?
					30: If you had problems with kitchen appliances, how long did it take to fix?
					31: Over the last year, how many problems, if any, have you had with water or plumbing (for example, toilets, hot water, etc.)?
					32: If you had any problems with water or plumbing, how long did it take to fix?
					33: Over the last year, how many problems, if any, have you had with smoke detectors?
					34: If you had a problem with smoke detectors, how long did it take to fix?
					35: How satisfied are you with the upkeep of the following areas in your development: common areas (for example: stairways,

## Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					walkways, hallways, etc.)?
					36: How satisfied are you with the upkeep of the following areas in your development: exterior of buildings?
					37: How satisfied are you with the upkeep of the following areas in your development: parking areas?
					38: How satisfied are you with the upkeep of the following areas in your development: recreation areas (for example, playgrounds and other outside facilities)?
					39: How often, if at all, are any of the following a problem in your development: abandoned cars?
					40: How often, if at all, are any of the

## Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					following a problem in your development: broken glass?
					41: How often, if at all, are any of the following a problem in your development: graffiti?
					42: How often, if at all, are any of the following a problem in your development: noise?
					43: How often, if at all, are any of the following a problem in your development: rodents and insects (indoors)?
					44: How often, if at all, are any of the following a problem in your development: trash/litter?
					45: How often, if at all, are any of the following a problem in your development: vacant units?



**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					46: If there is a person with a permanent disability in your household who has difficulty moving around, did your management make necessary changes to your unit if you requested them (example, grab bars, lowered light, switches, wheelchair access)?
					47: Would you recommend your housing development to a friend or family member seeking public housing?
					48: What is your gender?
					49: How old are you?
					50: What is your race/ethnicity? (mark all that apply)
					51: How long have you lived in your housing development?
					52: How much do you pay in rent each month (including utilities)?

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					53: Do you think any of the following contribute to crime in your development? (mark all that apply) - Broken locks
					54: Do you think any of the following contribute to crime in your development? (mark all that apply) - Location of housing development
					55: Do you think any of the following contribute to crime in your development? (mark all that apply) - Police do not screen
					56: Do you think any of the following contribute to crime in your development? (mark all that apply) - Residents don't care
					57: Do you think any of the following contribute to crime in your development? (mark all that apply) - Resident screening

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					58: Do you think any of the following contribute to crime in your development? (mark all that apply) - Vacant units
					59: Follow-up Plan for Maintenance
					60: Follow-up Plan for Commun
					61: Follow-up Plan for Safety
					62: Follow-up Plan for Services
					63: Follow-up Plan for Neigh App
					64: How satisfied are you with the following: Your property/building's management?
					65: Since moving into your current residence, have you had blood lead level testing for yourself and/or your family members?
					66: What is your ethnicity?
					67: demographic_score
					68: Address Flag VCA

## Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					69: Address Flag VCB
					70: Address Flag VCC
					71: Address Flag VCD
					72: Address Flag VCE
					73: Address Flag VCF
					74: Total Units
					75: Total Flagged Units
					401001: Would you recommend your housing development to a friend or family member seeking public housing?
20	item	item_text	varchar (255)	Textual description of the piece of data collected by PIH-REAC or a derived piece of data used to determine how a PHA is performing.	
20	item	item_text2	varchar (255)	<b>This field is not used by the RASS business team.</b>	
21	language_reference	language_reference_id	numeric(3)	Unique identifier for a language.	1 - 90

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
21	language_reference	language_name	char(25)	Name of a language. PHAs select in which language(s) besides English they would like their residents to receive surveys.	
22	media_plan_component	media_plan_id	numeric(4)	A unique number identifying a particular media plan used in the resident survey assessment. The media plan is material used to promote the survey to residents.	1, 2
22	media_plan_component	media_component_seq_number	numeric(4)	Unique sequence number for a component within a media plan.	1, 2, 3
22	media_plan_component	media_component_common_name	char(20)	The name of the media component. PHAs are required to market the survey to residents. These items are example materials that they may use.	Flyer
					Newsletter Example
					Flyer
22	media_plan_component	media_component_location_text	char(100)	File location where the media component exists.	flyer_12031999-115735.doc
					Newsletter_12031999-122044.doc
					flyer_12031999-122130.doc

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
23	participant	participant_id	numeric(10)	A unique set of characters (alphanumeric) that identifies a participant organization. This could be a PHA or an owner/agent, as in MFH.	
23	participant	participant_type_code	char(1)	A code that identifies a unique type of participant organization. [although this is a char(1) field, text descriptions have been provided in this documentation to enhance the description]	M - multifamily home code P - public housing administration code
23	participant	participant_common_name	varchar(60)	The formal (long) name of an organization. The participant name in full length.	
23	participant	pha_id	char(5)	Unique identifier of a Public Housing Agency.	
23	participant	last_update_date	datetime	The date the participant record was last updated.	
23	participant	update_user_id	char(6)	The user that updated the record.	
23	participant	participant_tax_id	char(11)	The Tax Identification number of the participant.	

**Appendix A: Data Dictionary**

<b>Table #</b>	<b>Table Name</b>	<b>Data Element Name</b>	<b>Data Type</b>	<b>Data Element Description</b>	<b>Range of Values</b>
23	<b>participant</b>	email_address	varchar(250)	Email address of the participant.	
23	<b>participant</b>	participant_last_name	varchar(40)	The last name of the participant, when the participant is an individual.	
23	<b>participant</b>	participant_fiscal_yr_end_date	datetime	The month that the participant organization's fiscal year ends. The quarter-year fiscal year end date of the PHA.	
23	<b>participant</b>	participant_first_name	varchar(40)	The first name of the participant, when the participant is an individual.	
23	<b>participant</b>	participant_active_indicator	char(1)	A Boolean attribute that determines participant active or inactive status.	
23	<b>participant</b>	participant_middle_name	varchar(40)	The middle name of the participant, when the participant is an individual.	
23	<b>participant</b>	participant_pending_indicator	char(1)	A Boolean expression that determines whether the participant is in pending status.	
23	<b>participant</b>	herems_owner_id	numeric(10)	The Secure Systems ID from the HEREMS database. The HEREMS database a subset of data of the Multifamily database - REMS (Real Estate Management System). The HEREMS database holds Multifamily information as	

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
				well as WASS data, and is maintained by REAC.	
23	participant	termination_date	datetime	The date the PHA, MFH, or FHA mortgage lender was terminated.	
23	participant	account_number	int	<b>This field is not used by the RASS business team.</b>	
23	participant	legacy_organization_id	int	<b>This field is not used by the RASS business team.</b>	
23	participant	legacy_organization_type	int	<b>This field is not used by the RASS business team.</b>	
24	participant_address	participant_id	numeric(10)	A unique set of characters (alphanumeric) that identifies a participant organization. This could be a PHA or an owner/agent, as in MFH.	
24	participant_address	address_type_code	char(1)	A code defining a unique type of address.  [although this is a char(1) field, text descriptions have been provided in this documentation to enhance the description]	M - mailing address P - physical address
24	participant_address	participant_address_line_1	char(45)	The first line address of the participant.	
24	participant_address	participant_address_line_2	char(45)	The second line address of the participant.	
24	participant_address	participant_city_name	varchar(28)	The city location of the of the PHA, MFH property, or FHA mortgage lender.	



**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
24	participant_address	participant_state_code	char(2)	The two-digit state code of the participant.	
24	participant_address	participant_zip5_code	char(5)	The first 5-digit zipcode of the participant.	
24	participant_address	participant_zip4_code	char(4)	The last 4-digit zipcode of the participant.	
24	participant_address	last_update_date	datetime	The most current date that the participant address was updated.	
24	participant_address	last_update_user_id	char(6)	The user id of the last person to update the participant address.	
25	participant_assess_action	object_id	smallint	Unique identifier for a REAC business object (i.e. score, penalty, etc.).	7, 8, 10
25	participant_assess_action	action_code	char(3)	Code representing a business action that one can take within a HUD business system. [although this is a char(3) field, text descriptions have been provided in this documentation to enhance the description]. For example, one business action is flagging scores, where scores are flagged if they do not meet some specified business or statistical criteria.	ACP- Complaint-RASS
					APV- Approved RASS Survey

## Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					CAS- Approved
					CRI- Create RASS Assessment
					CRS- Adjusted RASS Score
					DEF- Deferment
					DFP- Decertify PHA follow-up plan
					DIP- Decertify PHA imp plan
					DUA- Decertify PHA unit addresses
					FLG- Flagging scores
					FSA- Flagging scores
					FSB- Flagging scores
					FSC- Flagging scores
					FSD- Flagging scores
					FSE- Flagging scores
					FSF- Flagging scores
					FSG- Flagging scores
					FSH- Flagging scores
					FSI- Flagging scores
					FSJ- Flagging scores

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					FSK- Flagging scores
					FSL- Flagging scores
					HAS- QA Analysis - RASS
					HRS- Release QA Analysis - RASS
					PAR- Appeal Board Adjustment - RASS
					RCI- Implementation Plan
					RCU- Unit Addresses
					RCV- Follow-Up Plan
					RPI- RASS PIC Interface
					RRS- RASS Original
					RSA- RASS Assessment Active
					RSH- RASS Assessment on Hold
					RST- Resident Satisfaction Tech Correction
					SAC-Invalidated
					SAR-Subsystem Analysis - RASS
					SCA-Appeal Received RASS
					SCH-Scheduled

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					SCL-Invalidated correspondence RASS
					SCW- Special Circum Waiver-RASS
					SMP- Survey Sampling
					SPI- RASS PIC Interface
					SRS- RASS PHA Sampling
					TAI- Tech. Adj. - Implmntn Plan
					TAS- Tech. Adj. - Survey Results
					TAU- Tech. Adj. - Follow-up Plan
					TCO- Technical Correction-RASS
					TCR- Technical Review-RASS
25	<b>participant_assess_action</b>	system_id	char(6)	A unique identifier of a system.	RASS
25	<b>participant_assess_action</b>	participant_assess_action_id	numeric(10)	Numeric identifier for a REACS action.	
25	<b>participant_assess_action</b>	participant_id	numeric(10)	A unique set of characters (alphanumeric) that identifies a participant organization. This could be a PHA or an owner/agent, as in MFH. This is the unique identifier from participant or pih_participant. When an assessment cycle is	

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
				initialized, a row is inserted into this table for each participant involved in the assessment.	
25	participant_assess_action	group_id	smallint	Identifier for a group of components.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 53, 54, 55 (reference indicator_group)
25	participant_assess_action	version_id	smallint	Version of this group of components. Once locked, if any of the individual components or group parameters change, a new version of the group is required.	1,2,3,4
25	participant_assess_action	assessment_id	numeric(9)	Unique identifier of a PHA submission for the particular group.	
25	participant_assess_action	action_date	datetime	This field stores the effective date of each action.	
25	participant_assess_action	user_id	char(6)	This field stores the user id of the person responsible for the state of the submission.	
25	participant_assess_action	action_amount	numeric (6,3)	Amount associated with the action (i.e. adjustment amount, penalty waived amount, etc.).	
25	participant_assess_action	action_comment	text	This field stores any comment associated with the state of the submission.	

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
25	participant_assess_action	board_resolution_number	varchar (15)	Number assigned by the appeal board to this management submission.	
25	participant_assess_action	certification_date	datetime	Date that the management submission passed.	
25	participant_assess_action	appeal_mtg_dt	datetime	The date of the REAC appeal board meeting.	
25	participant_assess_action	appeal_received_dt	datetime	The date and time of when HUD received the appeal for a PHAS score and/or designation. This date is not the date when the information was entered into the system.	
25	participant_assess_action	corr_suppress_ind	char(1)	A Boolean expression that determines whether correspondence is sent at the event level.	
26	participant_assess_group_item	participant_id	numeric(10)	A unique set of characters (alphanumeric) that identifies a participant organization. This could be a PHA or an owner/agent, as in MFH.	
26	participant_assess_group_item	group_id	smallint	Identifier for a group of components.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 53, 54, 55 (reference table indicator_group)

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
26	participant_assess_group_item	version_id	smallint	Version of this group of components. Once locked, if any of the individual components or group parameters change, a new version of the group is required.	1,2,3,4
26	participant_assess_group_item	assessment_id	numeric(9)	Unique identifier of a PHA submission for the particular group.	
26	participant_assess_group_item	item_id	int	Identifier for a piece of data collected by REAC or a derived piece of data used to evaluate how a PHA is performing.	1 - 76
26	participant_assess_group_item	group_item_cnt	int	The total number of responses associated with each item for each participant in an assessment. Group_item_score_tot_amt is divided by this figure to obtain the item score for this participant for this assessment.	
26	participant_assess_group_item	group_item_score_tot_amt	numeric(12,5)	Sum of the scores for all occurrences of this item for this participant's assessment. This is the total number of points associated with each item for each participant in an assessment. This figure is divided by group_item_cnt to	

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
				obtain the item score for this participant for this assessment.	
27	participant_assessment	participant_id	numeric (10)	A unique set of characters (alphanumeric) that identifies a participant organization. This could be a PHA or an owner/agent, as in MFH.	
27	participant_assessment	group_id	smallint	Identifier for a group of components.	
27	participant_assessment	version_id	smallint	Version of this group of components. Once locked, if any of the individual components or group parameters change, a new version of the group is required.	
27	participant_assessment	assessment_id	numeric(9)	Unique identifier of a PHA submission for the particular group.	
27	participant_assessment	effective_date	datetime	Effective date (i.e. current date) that this submission, inspection, etc. is entered.	
27	participant_assessment	assessment_score	numeric(10,5)	Score obtained for the PHA for the indicated group.	
27	participant_assessment	fiscal_year	numeric(4)	Fiscal year for which this assessment is taking place.	



**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
27	participant_assessment	status_code	char(3)	Life cycle state of the assessment component. Although each stage of the assessment is tracked in participant_assess_action, this code is updated throughout the assessment, and tracks the status of the assessment at any given time. DO NOT USE status is held in participant_assess-action.	APV
					CAS
					CRI
					UNA
27	participant_assessment	risk_id	smallint	<b>This field is not used by the RASS business team.</b>	
27	participant_assessment	submission_type	varchar (20)	<b>This field is not used by the RASS business team.</b>	

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
27	participant_assessment	pha_id	char(5)	Unique identifier of a Public Housing Agency.	
27	participant_assessment	participant_fiscal_yr_end_date	datetime	The month that the participant organization's fiscal year ends. The quarter-year fiscal year end date of the PHA.	
27	participant_assessment	participant_common_name	varchar(60)	The common name of the organization.	
27	participant_assessment	assessment_comment	text	Comment regarding the overall participant assessment.	
27	participant_assessment	outlier_ind	char(1)	<b>This field is not used by the RASS business team.</b>	
27	participant_assessment	designation_status_cd	char(3)	<b>This field is not used by the RASS business team.</b>	

**Appendix A: Data Dictionary**

<b>Table #</b>	<b>Table Name</b>	<b>Data Element Name</b>	<b>Data Type</b>	<b>Data Element Description</b>	<b>Range of Values</b>
27	participant_assessment	max_assessment_group_weight	numeric(10,5)	<b>This field is not used by the RASS business team.</b>	
27	participant_assessment	surveys_sent_cnt	int	The total number of surveys sent.	
27	participant_assessment	priority_num	smallint	<b>This field is not used by the RASS business team.</b>	
27	participant_assessment	component_unit_ind	char(1)	<b>This field is not used by the RASS business team.</b>	
27	participant_assessment	corr_suppress_ind	char(1)	<b>This field is not used by the RASS business team.</b>	
27	participant_assessment	rounded_assess_score	int	A whole number that is derived from the sub-indicator raw score of each PHAS component.	0,1,2,3,4,5,6,7,8,9,10

## Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
27	participant_assessment	reporting_period_from_dt	datetime	This field is not used by the RASS business team.	
27	participant_assessment	reporting_period_to_dt	datetime	This field is not used by the RASS business team.	
28	participant_contact	participant_id	numeric(10)	A unique set of characters (alphanumeric) that identifies a participant organization. This could be a PHA or an owner/agent, as in MFH.	
28	participant_contact	participant_contact_id	numeric(10)	Numeric identifier for a contact associated with a participant.	
28	participant_contact	contact_type_code	char(6)	A six character code to identify the contact type.	EXCDIR
28	participant_contact	contact_f_name	char(15)	The contact's first name.	
28	participant_contact	contact_m_name	char(1)	The contact's middle initial.	
28	participant_contact	contact_l_name	char(25)	The contact's last name.	
28	participant_contact	contact_email	varchar(250)	The contact's email address.	

**Appendix A: Data Dictionary**

<b>Table #</b>	<b>Table Name</b>	<b>Data Element Name</b>	<b>Data Type</b>	<b>Data Element Description</b>	<b>Range of Values</b>
28	<b>participant_contact</b>	contact_phone_number	numeric(10)	The phone number of the participant.	
28	<b>participant_contact</b>	contact_phone_ext_number	numeric(4)	The phone extension number of the participant.	
28	<b>participant_contact</b>	update_user_id	char(6)	The user id of the person who last updated the participant's contact information.	
28	<b>participant_contact</b>	time_stamp	datetime	The date and time when the participant contact information was created and/or updated.	
29	<b>participant_history</b>	participant_id	numeric(10)	A unique set of characters (alphanumeric) that identifies a participant organization. This could be a PHA or an owner/agent, as in MFH.	
29	<b>participant_history</b>	participant_history_timestamp	datetime	The date and time when the participant was referred to the Troubled Agency Recovery Center (TARC).	
29	<b>participant_history</b>	participant_fiscal_year_end_date	datetime	The quarter-year fiscal year end date of the PHA.	
29	<b>participant_history</b>	participant_active_indicator	char(1)	A Boolean attribute that determines participant active or inactive status.	
29	<b>participant_history</b>	termination_date	datetime	The date the participant was terminated.	

**Appendix A: Data Dictionary**

<b>Table #</b>	<b>Table Name</b>	<b>Data Element Name</b>	<b>Data Type</b>	<b>Data Element Description</b>	<b>Range of Values</b>
29	<b>participant_history</b>	last_update_date	datetime	The date the participant record was last updated.	
29	<b>participant_history</b>	update_user_id	char(6)	The unique ID of the user that last updated the participant table.	
30	<b>participant_language</b>	participant_id	numeric(10)	A unique set of characters (alphanumeric) that identifies a participant organization. This could be a PHA or an owner/agent, as in MFH.	
30	<b>participant_language</b>	language_reference_id	numeric(3)	Unique numeric identifier for a language. For business purposes, this column indicates the language(s) actually requested by a PHA through its unit address/language certification. The languages are stored in the reference table language_reference.	1 - 90
31	<b>participant_prj_assessment</b>	participant_id	numeric(10)	A unique set of characters (alphanumeric) that identifies a participant organization. This could be a PHA or an owner/agent, as in MFH.	
31	<b>participant_prj_assessment</b>	group_id	smallint	Identifier for a group of components.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 53, 54, 55 (reference indicator_group)

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
31	participant_prj_assessment	version_id	smallint	Version of this group of components. Once locked, if any of the individual components or group parameters change, a new version of the group is required.	1,2,3,4
31	participant_prj_assessment	assessment_id	numeric(9)	Unique identifier of a PHAs submission for the particular group.	
31	participant_prj_assessment	project_id	char(14)	The unique ID of the property within the PHA.	
31	participant_prj_assessment	assessment_project_score	numeric(10,5)	Score obtained for the property for the indicated group. This is analogous to the assessment_score, but at the property level instead of the PHA level.	
31	participant_prj_assessment	surveys_prj_sent_cnt	int	The number of properties to which the survey was sent.	
32	participant_profile	participant_id	numeric (10)	A unique set of characters (alphanumeric) that identifies a participant organization. This could be a PHA or an owner/agent, as in MFH.	
32	participant_profile	group_id	smallint	Identifier for a group of components.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 53, 54, 55 (reference indicator_group)

## Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
32	participant_profile	version_id	smallint	Version of this group of components. Once locked, if any of the individual components or group parameters change, a new version of the group is required.	1,2,3,4
32	participant_profile	profile_type_cd	numeric(4)	This is a four-character code to identify the profile type.	
32	participant_profile	effective_from_date	datetime	Effective from date for this type of profile.	
32	participant_profile	effective_to_date	datetime	Effective through date for this type of profile.	
32	participant_profile	comments	text	This field will store any comment associated with this profile entry.	
32	participant_profile	update_user_id	char(6)	User ID that created or updated the record.	
32	participant_profile	time_stamp	datetime	Date / Time the signature reference table was updated.	
32	participant_profile	decision_date	datetime	The date the business decided that the PHA was exempt from this assessment.	



**Appendix A: Data Dictionary**

<b>Table #</b>	<b>Table Name</b>	<b>Data Element Name</b>	<b>Data Type</b>	<b>Data Element Description</b>	<b>Range of Values</b>
33	participant_resdnt_assessment	participant_id	numeric (10)	A unique set of characters (alphanumeric) that identifies a participant organization. This could be a PHA or an owner/agent, as in MFH.	
33	participant_resdnt_assessment	group_id	smallint	Numeric identifier for a group of components.	1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 53, 54, 55 (reference indicator_group)
33	participant_resdnt_assessment	version_id	smallint	Version of this group of components. Once locked, if any of the individual components or group parameters change, a new version of the group is required.	1,2,3,4
33	participant_resdnt_assessment	assessment_id	numeric(9)	Numeric unique identifier of a PHA submission for the particular group.	
33	participant_resdnt_assessment	survey_group_id	smallint	Identifier for a group of components.	2
33	participant_resdnt_assessment	survey_version_id	smallint	Version of this group of components. Once locked, if any of the individual components or group parameters change, a new version of the group is required.	1 - 4

**Appendix A: Data Dictionary**

<b>Table #</b>	<b>Table Name</b>	<b>Data Element Name</b>	<b>Data Type</b>	<b>Data Element Description</b>	<b>Range of Values</b>
33	participant_resdnt_assessment	effective_date	datetime	The date the resident assessment was created.	
33	participant_resdnt_assessment	survey_sampling_version_id	numeric(4)	Unique identifier of a survey sample version. This is the set of sampling parameters, referenced in resident_survey_sampling_ref, used for this assessment.	
33	participant_resdnt_assessment	media_plan_id	numeric(4)	A unique number identifying a particular media plan used in the resident survey assessment. The media plan is material used to promote the survey.	
33	participant_resdnt_assessment	initial_letter_id	numeric(4)	Unique identifier for a resident survey initial letter to the participants.	
33	participant_resdnt_assessment	participant_survey_fiscal_year	numeric(4)	The current fiscal year which the resident survey assessment is taking place (i.e. 1999).	
33	participant_resdnt_assessment	units_completion_due_date	datetime	The date that the PHA unit certification is due for an assessment. PHAs are required to certify that their unit address information in the Public and Indian Housing Information Center (PIC) is complete and accurate.	

**Appendix A: Data Dictionary**

<b>Table #</b>	<b>Table Name</b>	<b>Data Element Name</b>	<b>Data Type</b>	<b>Data Element Description</b>	<b>Range of Values</b>
33	participant_resdnt_assessment	units_completion_cert_date	datetime	The date that the PHA certified its unit address information in RASS for an assessment. PHAs are required to certify that their unit address information in the Public and Indian Housing Information Center (PIC) is complete and accurate.	
33	participant_resdnt_assessment	survey_imp_plan_due_date	datetime	The date that the Implementation plan is due. PHAs are required to certify that they conducted various activities to market the survey to residents.	
33	participant_resdnt_assessment	survey_imp_plan_cert_date	datetime	The date the PHA certified its Implementation Plan. PHAs are required to certify that they conducted various activities to market the survey to residents.	
33	participant_resdnt_assessment	survey_follow_up_plan_due_dt	datetime	The date the PHA Follow-Up Plan is due for an assessment. PHAs are required to develop a Follow-Up Plan to perform corrective action based on the results of the survey.	
33	participant_resdnt_assessment	survey_follow_up_plan_cert_dt	datetime	The date the PHA certified its Follow-Up plan. PHAs are required to develop a Follow-Up Plan to perform corrective action based on the results of the survey.	

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
33	participant_resdnt_assessment	last_update_date	datetime	The date on which the survey information for the assessment (or calendar) year was last updated.	
33	participant_resdnt_assessment	last_update_user_id	char(6)	The user ID of the user that last updated the resident assessment record.	
33	participant_resdnt_assessment	survey_ind	char(1)	Indicates whether this participant should be surveyed this assessment year. The Boolean attribute that determines the survey.	
34	participant_role_property	reac_property_id	numeric (10)	HUD Internal Identifier for a property (This is analogous to participant_id but is assigned for database use only).	
34	participant_role_property	participant_id	numeric(10)	A unique set of characters (alphanumeric) that identifies a participant organization. This could be a PHA or an owner/agent, as in MFH.	
34	participant_role_property	participant_role_code	char(4)	<b>This field is not used by the RASS business team.</b>	
34	participant_role_property	property_role_effective_date	datetime	The effective date of the Multifamily property role.	
34	participant_role_property	property_role_cancel_date	datetime	The date when the role for a property was canceled.	
34	participant_role_property	update_user_id	char(6)	User ID of the person who last updated the record.	

## Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
34	<b>participant_role_property</b>	last_update_date	datetime	Date and time on which the record was last updated.	
35	<b>participant_size</b>	group_id	smallint	Identifier for a group of components.	
35	<b>participant_size</b>	version_id	smallint	Version of this group of components. Once locked, if any of the individual components or group parameters change, a new version of the group is required.	
35	<b>participant_size</b>	participant_size_id	smallint	Unique identifier for a size range. For sampling purposes, RASS assigns properties into groupings. These are identified by this field. Each participant_size_id consists of properties that are between low_range_units_qty and high_range_units_qty in unit count.	
35	<b>participant_size</b>	low_range_units_qty	int	Low range of number of units.	

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
35	participant_size	high_range_units_qty	int	High range for the number of units.	
35	participant_size	participant_size_name	varchar (20)	<b>This field is not used by the RASS business team.</b>	
35	participant_size	size_risk_point_amt	numeric (10,5)	<b>This field is not used by the RASS business team.</b>	
35	participant_size	resident_return_threshold	int	The minimum number of surveys that must be returned by residents within a PHA or POA for the survey results to be deemed statistically valid. This figure varies for each participant_size_id.	
36	participnt_prj_assess_grp_item	participant_id	numeric(10)	A unique set of characters (alphanumeric) that identifies a participant organization. This could be a PHA or an owner/agent, as in MFH.	
36	participnt_prj_assess_grp_item	group_id	smallint	Identifier for a group of components.	

Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
36	participnt_prj_assess_grp_item	version_id	smallint	Version of this group of components. Once locked, if any of the individual components or group parameters change, a new version of the group is required.	
36	participnt_prj_assess_grp_item	assessment_id	numeric(9)	Unique identifier of a PHA submission for the particular group.	
36	participnt_prj_assess_grp_item	item_id	int	Identifier for a piece of data collected or derived by PIH-REAC used to evaluate PHA performance.	
36	participnt_prj_assess_grp_item	project_id	char(14)	The unique ID of the property within the PHA.	
36	participnt_prj_assess_grp_item	prj_group_item_cnt	int	The count of the number of occurrences of this item for a property's assessment.	
36	participnt_prj_assess_grp_item	prj_group_item_score_tot_amt	numeric(12,5)	Sum of the scores for all occurrences of this item for a property's assessment.	
37	pha_participant	participant_id	numeric (10)	A unique set of characters (alphanumeric) that identifies a participant organization.	
37	pha_participant	pha_id	char(5)	Unique identifier of a Public Housing Agency.	
37	pha_participant	participant_fiscal_yr_end_date	datetime	The month that the participant organization's fiscal year ends. While this date is listed as a complete date, the year only reflects the first fiscal year end date for that property.	

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
37	pha_participant	participant_common_name	varchar(60)	The common name of the participant.	
37	pha_participant	phone_number	numeric(10)	General contact phone number for a participant.	
37	pha_participant	participant_tax_id	char(11)	The Tax Identification number of the participant.	
37	pha_participant	phone_extension_number	numeric(4)	Phone extension for the general contact phone number for a participant.	
37	pha_participant	fax_phone_number	numeric(10)	Participant fax number.	
37	pha_participant	program_center_identifier	int	A number that uniquely identifies a HUD program center.	
37	pha_participant	pih_participant_type	char(2)	This is a two-character code to identify the participant type. [although this is a char(2) field, text descriptions have been provided in this documentation to enhance the description]	S8 - Section 8 only LR - Low Rent CR - Combined Rent
37	pha_participant	last_small_pha_dereg_date	datetime	The FYE date of the last time this PHA was given exemption from submissions due to the Small PHA deregulation Notice.	
38	pih_project	project_id	char(14)	The alphanumeric unique ID of the property within the PHA.	
38	pih_project	base_project_id	char(8)	Unique identifier for the base property.	



**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
38	pih_project	project_name	char(40)	A unique name that identifies the property.	
38	pih_project	base_project_extension_id	char(3)	The project extension which is used for various purposes. Sometimes this is used to indicate a scattered site.	
38	pih_project	total_project_units_count	numeric(9)	Total count of property units.	
38	pih_project	participant_id	numeric(10)	A unique set of characters (alphanumeric) that identifies a participant organization. Each property within a PHA has its own unique participant_id.	
38	pih_project	property_id	numeric(10)	The unique ID of the property within the PHA.	
38	pih_project	scattered_site_ind	char(1)	<b>This field is not used by the RASS business team.</b>	
38	pih_project	address_line1_text	varchar (40)	Property street address (First line).	
38	pih_project	address_line2_text	varchar (40)	Property street address (Second line).	
38	pih_project	city_name	varchar(30)	Property city name.	
38	pih_project	state_code	char(2)	Property state code.	
38	pih_project	basic_zip_code	char(5)	Property zip 5 code.	

**Appendix A: Data Dictionary**

<b>Table #</b>	<b>Table Name</b>	<b>Data Element Name</b>	<b>Data Type</b>	<b>Data Element Description</b>	<b>Range of Values</b>
38	pih_project	zip_extension_code	char(4)	Property zip 4 code.	
38	pih_project	status_type_code	char(6)	The status of the property. [although this is a char(6) field, text descriptions have been provided in this documentation to enhance the description]	M - under management T - terminated D - under development
38	pih_project	last_update_date	datetime	Date when the record was last updated.	
39	program_center	program_center_identifier	int	A number that uniquely identifies a program center.	
39	program_center	program_center_name	varchar(40)	The name the Department of Housing and Urban Development uses to refer to a Program Center.	
39	program_center	program_center_effective_date	datetime	The date the program center became effective within the PASS Online system.	
39	program_center	program_center_cancel_date	datetime	The date the program center became unavailable for use within the PASS Online system.	
39	program_center	field_office_code	char(4)	Code for the public housing office responsible for servicing properties in a given geographical area.	

**Appendix A: Data Dictionary**

<b>Table #</b>	<b>Table Name</b>	<b>Data Element Name</b>	<b>Data Type</b>	<b>Data Element Description</b>	<b>Range of Values</b>
39	<b>program_center</b>	servicing_site_code	char(4)	Office responsible for the management/servicing functions for multifamily properties.	
39	<b>program_center</b>	site_hub_name	varchar (30)	Name of high level multifamily organization responsible for a geographical area.	
39	<b>program_center</b>	email_address	varchar (250)	Email address of the program center.	
39	<b>program_center</b>	mf_email_address	varchar (250)	Email address of the multifamily program center.	
40	<b>program_group_ref</b>	program_grp	smallint	Groups of the programs.	
40	<b>program_group_ref</b>	program_type_code	smallint	Codes for types of multifamily programs.	
40	<b>program_group_ref</b>	program_group_name	varchar (50)	Names of the groups.	
40	<b>program_group_ref</b>	program_type_name	varchar (50)	Names of types of multifamily programs.	
41	<b>project_survey_response</b>	project_survey_response_id	numeric	Identifier for a returned survey. One project_survey_response_id exists for each resident who returns a survey for a given assessment.	

**Appendix A: Data Dictionary**

<b>Table #</b>	<b>Table Name</b>	<b>Data Element Name</b>	<b>Data Type</b>	<b>Data Element Description</b>	<b>Range of Values</b>
41	project_survey_response	project_id	char(14)	The unique ID of the property within the PHA.	
41	project_survey_response	participant_id	numeric (10)	A unique set of characters (alphanumeric) that identifies a participant organization. This property level data.	
41	project_survey_response	group_id	smallint	Identifier for a group of components.	
41	project_survey_response	version_id	smallint	Version of this group of components. Once locked, if any of the individual components or group parameters change, a new version of the group is required.	
41	project_survey_response	assessment_id	numeric(9)	Unique identifier of a PHAs submission for the particular group.	
41	project_survey_response	contractor_id	int	Unique identifier of a contractor. This is the contractor that uploaded this set of response records.	
41	project_survey_response	language_reference_id	numeric(3)	Unique identifier for a language. This is the language in which this resident responded to the survey. Languages are stored in language_reference, and	

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
				each PHA's selected languages are stored in participant_language.	
41	project_survey_response	survey_response_date	datetime	Date that the survey was submitted to HUD's Resident Assessment. This is the date that this survey was returned to the Survey Administrator.	
41	project_survey_response	survey_id	numeric(10)	The Unique ID of the survey. This is the Survey Administrator's unique serial number for the survey. It can be used to track this response record to the actual survey form returned.	
41	project_survey_response	date_processed	datetime	Date the survey was processed.	
42	property_assess_action	property_assess_action_id	numeric(10)	Identifier for a REACS action.	
42	property_assess_action	group_id	smallint	Identifier for a group of components.	
42	property_assess_action	version_id	smallint	Version of this group of components. Once locked, if any of the individual components or group parameters change, a new	

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
				version of the group is required.	
42	<b>property_assess_action</b>	reac_property_id	numeric(10)	A unique identifier of a REAC property generated by the REAC system.	
42	<b>property_assess_action</b>	property_assessment_id	numeric(10)	Unique identifier of a property assessment. This table and fields are analogous to participant_assess_action, except are used to store information about assessments of Multifamily properties.	
42	<b>property_assess_action</b>	object_id	smallint	Unique identifier for a REAC business object.	
42	<b>property_assess_action</b>	action_code	char(3)	Code representing a business action that can take within a HUD business system.	
42	<b>property_assess_action</b>	system_id	char(6)	A unique identifier of a system.	
42	<b>property_assess_action</b>	action_date	datetime	The effective date of each action.	

**Appendix A: Data Dictionary**

<b>Table #</b>	<b>Table Name</b>	<b>Data Element Name</b>	<b>Data Type</b>	<b>Data Element Description</b>	<b>Range of Values</b>
42	<b>property_assess_action</b>	user_id	char(6)	The user id of the person responsible for the submission.	
42	<b>property_assess_action</b>	action_amount	numeric(6,3)	Amount associated with the action (i.e. adjustment amount, penalty waived amount, etc.).	
42	<b>property_assess_action</b>	action_comment	text	Comments associated with the the submission.	
42	<b>property_assess_action</b>	corr_suppress_ind	char(1)	Correspondence suppression indicator for event level actions.	
43	<b>property_assess_group_item</b>	property_assessment_id	numeric(10)	The unique ID that identifies the assessment. This table and fields are analogous to participant_assess_group_item, except are used to store information about assessments of Multifamily properties.	
43	<b>property_assess_group_item</b>	item_id	int	Identifier for a piece of data collected by REAC or a derived piece of data used to evaluate how a PHA is performing.	
43	<b>property_assess_group_item</b>	group_id	smallint	Identifier for a group of components.	

Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
43	property_assess_group_item	item_version_id	smallint	Version of this group of components. Once locked, if any of the individual components or group parameters change, a new version of the group is required.	
43	property_assess_group_item	reac_property_id	numeric(10)	The unique ID that represents the multifamily property.	
43	property_assess_group_item	item_score	numeric(12,5)	The score given of an item as identified by item_id. An item can be any piece of data collected or derived by PIH-REAC used to evaluate PHA performance. Item_ids indicate what that item is. For example, it could be a particular question on the survey instrument.	
43	property_assess_group_item	item_count	int	The counts of items.	
43	property_assess_group_item	item_group_id	smallint	This field is not used by the RASS business team.	



## Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
43	property_assess_group_item	version_id	smallint	This field is not used by the RASS business team.	
44	property_assessment	reac_property_id	numeric(10)	A unique set of characters that identifies a participant organization. This could be a PHA or an owner/agent, as in MFH.	
44	property_assessment	group_id	smallint	Identifier for a group of components.	
44	property_assessment	version_id	smallint	Version of this group of components.	
44	property_assessment	property_assessment_id	numeric(10)	Unique identifier of a Multifamily submission for the particular group.	

## Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
44	property_assessment	effective_date	datetime	Effective date (i.e. current date) that this submission, inspection, etc. is entered.	
44	property_assessment	assessment_score	numeric(10,5)	Score obtained for the PHA for the indicated group.	
44	property_assessment	fiscal_year	numeric(4)	Fiscal year for which the assessment is taking place.	
44	property_assessment	assessment_comment	text	Any comment associated with a submission.	
44	property_assessment	surveys_sent_cnt	int	Number of surveys sent for a property.	

## Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
44	property_assessment	undeliverable_address_count	int	Number of undeliverable addresses for a property.	
44	property_assessment	status_code	char(3)	Life cycle state of the assessment component.	
44	property_assessment	update_user_id	char(6)	User ID that created or updated the record.	
44	property_assessment	assess_create_date	datetime	Date / Time stamp when the record was created.	
45	property_resdnt_assessment	property_assessment_id	numeric(10)	The unique ID that identifies the assessment.	

**Appendix A: Data Dictionary**

<b>Table #</b>	<b>Table Name</b>	<b>Data Element Name</b>	<b>Data Type</b>	<b>Data Element Description</b>	<b>Range of Values</b>
45	property_resdnt_assessment	reac_property_id	numeric(10)	A unique set of characters that identifies a MFH owner/agent.	
45	property_resdnt_assessment	group_id	smallint	Identifier for a group of components.	
45	property_resdnt_assessment	version_id	smallint	Version of this group of components. Once locked, if any of the individual components or group parameters change, a new version of the group is required.	
45	property_resdnt_assessment	survey_sampling_version_id	numeric(4)	Unique identifier of a survey sample version.	
45	property_resdnt_assessment	effective_date	datetime	Effective date (i.e. current date) that the submission was entered.	

**Appendix A: Data Dictionary**

<b>Table #</b>	<b>Table Name</b>	<b>Data Element Name</b>	<b>Data Type</b>	<b>Data Element Description</b>	<b>Range of Values</b>
45	property_resdnt_assessment	initial_letter_id	numeric(4)	Unique identifier for a resident survey initial letter to the participants.	
45	property_resdnt_assessment	property_survey_fiscal_year	numeric(4)	The current fiscal year which the resident survey assessment is taking place (i.e. 1999).	
45	property_resdnt_assessment	units_completion_cert_date	datetime	The certification date of the completed units.	
45	property_resdnt_assessment	survey_imp_plan_cert_date	datetime	The date participant certified the Implementation Plan. (Note: MFH Owner/Agents are not required to submit an Implementation Plan certification).	
45	property_resdnt_assessment	survey_follow_up_plan_cert_dt	datetime	Date the participant certified the Follow-Up Plan. (Note: MFH Owner/Agents are not required to submit a Follow-Up Plan certification).	
45	property_resdnt_assessment	last_update_date	datetime	Date and time when the assessment record was last updated.	

**Appendix A: Data Dictionary**

<b>Table #</b>	<b>Table Name</b>	<b>Data Element Name</b>	<b>Data Type</b>	<b>Data Element Description</b>	<b>Range of Values</b>
45	<b>property_resdnt_assessment</b>	last_update_user_id	char(6)	The user ID that last updated the resident assessment record.	
45	<b>property_resdnt_assessment</b>	survey_ind	char(1)	Indicates whether this participant should be surveyed this assessment year.	
46	<b>property_survey_response</b>	property_survey_response_id	numeric	Numeric identifier for a returned survey.	
46	<b>property_survey_response</b>	group_id	smallint	Numeric identifier for a group of components.	
46	<b>property_survey_response</b>	version_id	smallint	Version of this group of components. Once locked, if any of the individual components or group parameters change, a new version of the group is required.	

**Appendix A: Data Dictionary**

<b>Table #</b>	<b>Table Name</b>	<b>Data Element Name</b>	<b>Data Type</b>	<b>Data Element Description</b>	<b>Range of Values</b>
46	property_survey_response	property_assessment_id	numeric(10)	The unique ID that identifies the assessment.	
46	property_survey_response	contractor_id	int	Numeric unique identifier of a contractor.	
46	property_survey_response	reac_property_id	numeric(10)	A unique set of characters that identifies a MFH owner/agent.	
46	property_survey_response	language_reference_id	numeric(3)	Numeric unique identifier for a language.	
46	property_survey_response	survey_response_date	datetime	Date that the survey was submitted to HUD's Resident Assessment.	
46	property_survey_response	survey_id	numeric(10)	The unique set of characters that represents the survey.	

**Appendix A: Data Dictionary**

<b>Table #</b>	<b>Table Name</b>	<b>Data Element Name</b>	<b>Data Type</b>	<b>Data Element Description</b>	<b>Range of Values</b>
46	<b>property_survey_response</b>	date_processed	datetime	The date when the survey was processed.	
47	<b>property_unit_address</b>	property_unit_address_id	numeric(10)	Unique identifier generated by the system for each property unit address.	
47	<b>property_unit_address</b>	reac_property_id	numeric(10)	A unique identifier of a REAC property generated by the REAC system.	
47	<b>property_unit_address</b>	unit_number	char(10)	Unit number of the property.	
47	<b>property_unit_address</b>	address_line_1	varchar(50)	First line of the street address for the property unit.	
47	<b>property_unit_address</b>	address_line_2	varchar(50)	Second line of the street address for the property unit.	
47	<b>property_unit_address</b>	address_line_3	varchar(50)	Third line of the street address for the property unit.	
47	<b>property_unit_address</b>	city	varchar(30)	Name of the city where the property unit is located.	
47	<b>property_unit_address</b>	state	char(2)	Two-digit code for the state or territory where the property unit is located.	
47	<b>property_unit_address</b>	zip_code	char(5)	First five digits of the zip code of the property unit address.	
47	<b>property_unit_address</b>	zip4_code	char(4)	The four digit number identifying the neighborhood within the city/state where the property unit is located.	



**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
48	rass_sample_address	unit_id	varchar(12)	Address ID.	
48	rass_sample_address	reac_property_id	varchar(14)	A unique set of characters that identifies a MFH owner/agent.	
48	rass_sample_address	add_line_1	varchar(150)	Street address of the unit to sample.	
48	rass_sample_address	unit_number	varchar(19)	Street address of the unit to sample.	
48	rass_sample_address	city	varchar(33)	City of the unit to sample.	
48	rass_sample_address	state	varchar(13)	State of the unit to sample.	
48	rass_sample_address	zip_code	varchar(12)	Zip 5 code of the unit to sample.	
48	rass_sample_address	zip4_code	varchar(11)	Zip 4 of the unit to sample.	
49	rass_sample_criteria	sample_criteria_id	numeric(10)	The ID of the sampling criteria used during an assessment. This is a set of parameters (Multifamily program types, SOA codes, client groups, etc.) used to select properties to participate in an assessment. The sampling criteria is selected based upon Multifamily policy priorities. Different criteria is used each assessment	

## Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
				cycle. (i.e. all program type/SOA combinations related to elderly housing might be selected for a particular assessment.)	
49	rass_sample_criteria	program_grp	int	<b>This field is not used by the RASS business team.</b>	
49	rass_sample_criteria	section_grp	int	<b>This field is not used by the RASS business team.</b>	
49	rass_sample_criteria	client_group_grp	int	<b>This field is not used by the RASS business team.</b>	
50	rass_sample_property	reac_property_id	numeric(10)	A unique identifier of a REAC property generated by the REAC system.	
50	rass_sample_property	unit_count	numeric(5)	Number of units in the property.	
51	rass_sample_report	property_name	varchar(100)	Property name for a REAC property.	
51	rass_sample_report	reac_property_id	varchar(65)	A unique identifier of a REAC property generated by the REAC system.	
51	rass_sample_report	unit_count	varchar(65)	Number of units in the property.	

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
51	rass_sample_report	orp	varchar(65)	This field is not used by the RASS business team.	
51	rass_sample_report	srrp	varchar(65)	This field is not used by the RASS business team.	
51	rass_sample_report	sample_units	varchar(65)	This field is not used by the RASS business team.	
52	rass_temp_unit_address	hh_ssn	numeric(9)	This field is not used by the RASS business team.	
52	rass_temp_unit_address	fha_number	char(8)	Related REMS FHA number. This is the reference number of a capital subsidy contract associated with this property. A property may have multiple contracts.	
52	rass_temp_unit_address	contract_number	char(11)	Related contract number.	
52	rass_temp_unit_address	unit_number	char(10)	Number of the unit.	
52	rass_temp_unit_address	occupancy_status_code	char(1)	Temporary table used to store Multifamily housing address information. This occupancy status code indicates the occupancy status of a housing unit.	
52	rass_temp_unit_address	address_type	char(1)	Type of address.	
52	rass_temp_unit_address	update_date	datetime	Date and time when the record was last updated.	
52	rass_temp_unit_address	address_source_code	char(1)	Code indicating the source of RASS unit address information.	

**Appendix A: Data Dictionary**

<b>Table #</b>	<b>Table Name</b>	<b>Data Element Name</b>	<b>Data Type</b>	<b>Data Element Description</b>	<b>Range of Values</b>
52	rass_temp_unit_address	address_line_1	varchar(50)	First line of the street address for the unit.	
52	rass_temp_unit_address	address_line_2	varchar(50)	Second line of the street address for the unit.	
52	rass_temp_unit_address	address_line_3	varchar(50)	Third line of the street address for the unit.	
52	rass_temp_unit_address	city	char(30)	Name of the city where the unit is located.	
52	rass_temp_unit_address	state	char(2)	Two-digit code for the state or territory of the unit address.	
52	rass_temp_unit_address	zip_code	char(5)	First five digits of the zip code of the unit address.	
52	rass_temp_unit_address	zip4_code	char(4)	The four digit number identifying the neighborhood within the city/state where the unit is located.	
52	rass_temp_unit_address	address_valid_code	char(1)	The address valid code indicates whether the address contains all mandatory fields (i.e. Unit address line 1, City, State, and zip).	
52	rass_temp_unit_address	address_valid_date	datetime	The address_valid_date indicates the date on which the information was validated by the system.	

Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
53	reac_property	reac_property_id	numeric(10)	A unique identifier of a REAC property generated by the REAC system. This is the table that stores Multifamily properties migrated from REMS. This field is the unique REACS identifier for each property.	
53	reac_property	rems_property_id	numeric(10)	Related REMS property id. This is the unique property identifier in REMS.	
53	reac_property	project_id	char(14)	The unique ID of the property within the PHA.	
54	rems_property	rems_property_id	numeric(10)	Related REMS property id. This is the unique property identifier in REMS.	
54	rems_property	fha_number	char(8)	Related REMS FHA number. This is the reference number of a capital subsidy contract associated with this property. A property may have multiple contracts.	

## Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
54	rems_property	property_name_text	char(50)	This field is not used by the RASS business team.	
54	rems_property	property_category_name	char(60)	This field is not used by the RASS business team.	
54	rems_property	has_use_restriction_ind	char(1)	This field is not used by the RASS business team.	
54	rems_property	total_unit_count	numeric(8)	This field is not used by the RASS business team.	
54	rems_property	is_sec8_ind	char(1)	This field is not used by the RASS business team.	
54	rems_property	is_section_236_rap_ind	char(1)	This field is not used by the RASS business team.	

## Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
54	rem_s_property	dwelling_building_count	int	This field is not used by the RASS business team.	
54	rem_s_property	scattered_site_ind	char(1)	This field is not used by the RASS business team.	
54	rem_s_property	address_line1_text	varchar(45)	This field is not used by the RASS business team.	
54	rem_s_property	address_line2_text	varchar(45)	This field is not used by the RASS business team.	
54	rem_s_property	city_name	varchar(28)	This field is not used by the RASS business team.	
54	rem_s_property	state_code	char(2)	This field is not used by the RASS business team.	

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
54	rem_s_property	basic_zip_code	char(5)	This field is not used by the RASS business team.	
54	rem_s_property	zip_extension_code	char(4)	This field is not used by the RASS business team.	
54	rem_s_property	status_type_code	char(1)	This field is not used by the RASS business team.	
54	rem_s_property	update_user_id	char(6)	User ID that created or updated the record.	
54	rem_s_property	last_update_date	datetime	Date / Time the signature reference table was updated.	
55	region_ref	group_id	smallint	Numeric identifier for a group of components. [although this is a smallint field, text descriptions have been provided in this documentation to enhance	1-Region 1



**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
				the description]	
					2-Region 2
					3- Region 3
					4- Region 4
					5- Region 5
					6-Region 6
					7- Region 7
					8- Region 8
					9- Region 9
					10- All Regions
55	region_ref	version_id	smallint	Version of this group of components. Once locked, if any of the individual components or group parameters change, a new version of the group is required.	
55	region_ref	region_cd	char(3)	Code for this grouping of states.	
55	region_ref	region_name	varchar(40)	Name for this group of states.	
56	region_state_ref	group_id	smallint	Identifier for a group of components.	
56	region_state_ref	version_id	smallint	Version of this group of components. Once locked, if any of the individual components or group parameters change, a new	

## Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
				version of the group is required.	
56	region_state_ref	region_cd	char(3)	Code for this grouping of states.	
56	region_state_ref	territory_cd	char(2)	Code for the state or territory.	
57	related_indicator_group	group_id	smallint	Identifier for a group of components. This column is used to define how different components comprise an assessment in a hierarchical fashion. For example, group_id 52 (NASS) might comprise group_ids 1 (RASS) and others; group_id 1 might comprise group_ids 2 (survey), 9 (implementation plan), and 10 (follow-up plan); group_id 2 might comprise group_ids 3-7 (survey sections), etc.	
57	related_indicator_group	version_id	smallint	Version of this group of components. Once locked, if any of the individual components or group parameters change, a new version of the group is required.	

**Appendix A: Data Dictionary**

<b>Table #</b>	<b>Table Name</b>	<b>Data Element Name</b>	<b>Data Type</b>	<b>Data Element Description</b>	<b>Range of Values</b>
57	<b>related_indicator_group</b>	related_group_id	smallint	Identifier for a group of components.	
57	<b>related_indicator_group</b>	related_version_id	smallint	Version of this group of components. Once locked, if any of the individual components or group parameters change, a new version of the group is required.	
58	<b>related_participant</b>	lead_participant_id	numeric(10)	A unique set of characters (alphanumeric) that identifies a participant organization. This could be a PHA or an owner/agent, as in MFH.	535
58	<b>related_participant</b>	member_participant_id	numeric(10)	A unique set of characters (alphanumeric) that identifies a participant organization. This could be a PHA or an owner/agent, as in MFH.	
58	<b>related_participant</b>	effective_date	datetime	The effective date of the consortia. A consortia is several PHAs that have combined to operate as a joint unit. To be a consortia, PHAs must file a consortium agreement with HUD.	
58	<b>related_participant</b>	related_participant_type_id	int	Numeric identifier describing the type of consortia. [although this is a int field, text descriptions have been provided in this	1 - Full Consortia

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
				documentation to enhance the description]	
					2 - Consolidation
					3 -Partial Consortia (Low R)
					4 - Partial Consortia (Other)
58	<b>related_participant</b>	termination_date	datetime	The date when the consortia was terminated.	
59	<b>related_participant_type</b>	related_participant_type_id	int	Numeric identifier describing the type of consortia. [although this is a int field, text descriptions have been provided in this documentation to enhance the description.]	1 - Full Consortia
					2 - Consolidation
					3 -Partial Consortia (Low R)
					4 - Partial Consortia (Other)
59	<b>related_participant_type</b>	related_part_type_name	varchar(25)	The name of the types of the consortia.	
59	<b>related_participant_type</b>	related_part_type_descr	varchar(50)	Description of the types of consortia.	
59	<b>related_participant_type</b>	related_part_type_effective_d t	datetime	Effective date of the type.	
59	<b>related_participant_type</b>	related_part_type_cancel_dt	datetime	End date of the type.	
59	<b>related_participant_type</b>	update_user_id	char(6)	User ID of the person who last updated the record.	

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
59	related_participant_type	last_update_date	datetime	Date and time when the record was last updated.	
60	resdnt_survey_sampling_prj_ref	survey_sampling_version_id	numeric(4)	Unique identifier of a survey sample version.	
60	resdnt_survey_sampling_prj_ref	project_size_code	numeric(4)	A code uniquely identifying a size for a project. [although this is a numeric(4) field, text descriptions have been provided in this documentation to enhance the description.]	1- All sizes
	resdnt_survey_sampling_prj_ref	project_size_name	char(20)	Name for the size code.	
60	resdnt_survey_sampling_prj_ref	units_low_range_qty	numeric(10)	Minimum number of units that fall under this size classification.	
60	resdnt_survey_sampling_prj_ref	units_high_range_qty	numeric(10)	Maximum number of units that fall under this size classification.	
60	resdnt_survey_sampling_prj_ref	survey_response_rate_pct	decimal(4,3)	Estimated percentage of surveys to be returned from those residents sampled.	
60	resdnt_survey_sampling_prj_ref	survey_standard_deviation_num	numeric(4)	The estimated population standard deviation (i.e. the sample standard deviation) about the mean score of the survey; 15 assumes a 100-point scale for survey scoring.	

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
60	resdnt_survey_sampling_prj_ref	survey_tolrbl_err_mn_score_num	numeric(4)	Width of each half of the confidence interval representing the desired precision of the final survey score statistic - i.e. by construction, the confidence interval about the survey score statistic will have width twice the tolerable error.	
60	resdnt_survey_sampling_prj_ref	survey_confidence_interval_num	decimal(4,2)	The confidence that the observed survey score accurately reflects the "true" score, or the precision associated with the survey score.	
60	resdnt_survey_sampling_prj_ref	occupancy_rate_pct	decimal(4,3)	Rate of tenant occupancy expected for a project of this size.	
61	resident_prop_survey_response	survey_unit_response_id	numeric	The unique characters that identify the individual response.	
61	resident_prop_survey_response	property_survey_response_id	numeric	Identifier for a returned survey.	
61	resident_prop_survey_response	item_id	int	Identifier for a piece of data collected by REAC or a derived piece of data used to evaluate how a PHA is performing.	
61	resident_prop_survey_response	section_group_id	smallint	Numeric identifier for a group of components. [although this is a smallint field, text descriptions have been provided in this	3 - Maintenance and Repair, , , ,

## Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
				documentation to enhance the description.]	
					4 - Communication
					5 - Safety
					6 - Services
					7 - Neighborhood Appearance
61	resident_prop_survey_response	section_version_id	smallint	Version of this group of components. Once locked, if any of the individual components or group parameters change, a new version of the group is required.	
61	resident_prop_survey_response	threshold_range_id	int	Identifier for an instance of an item threshold or threshold range.	
62	resident_survey_address_status	resident_survey_unit_id	numeric	A number uniquely identifying a unit that may be used in the survey.	
62	resident_survey_address_status	address_type_code	char(1)	A code defining a unique type of address.	M- Mailing Address
					P - physical address

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
62	resident_survey_address_status	resident_survey_status_id	int	The unique identifier of the survey status.	
62	resident_survey_address_status	validation_code	char(3)	The code indicating the reason for a unit address invalidation. It appears that this table references unit_address_status_code_ref, this should be verified with the systems team. [although this is a char(3) field, text descriptions have been provided in this documentation to enhance the description.]	VCA - Address Line 1
					VCB - City
					VCC - State
					VCD - Zip Code
					VCE - Duplicate Address
					VCF - Project ID Discrepancy
63	resident_survey_contractor	contractor_id	int	Unique identifier of a contractor.	
63	resident_survey_contractor	contractor_name	varchar(60)	Name of the third party contracting company.	



**Appendix A: Data Dictionary**

<b>Table #</b>	<b>Table Name</b>	<b>Data Element Name</b>	<b>Data Type</b>	<b>Data Element Description</b>	<b>Range of Values</b>
63	resident_survey_contractor	contractor_address_line_1	varchar(45)	Address line one of the contracting company's address.	
63	resident_survey_contractor	contractor_address_line_2	varchar(45)	Address line two of the third party contracting company address.	
63	resident_survey_contractor	contractor_city	varchar(28)	City of the third party contracting company.	
63	resident_survey_contractor	contractor_state_cd	char(2)	State of the third party contracting company.	
63	resident_survey_contractor	contractor_zip5_code	char(5)	Zip code of the third party contracting company.	
63	resident_survey_contractor	contractor_zip4_code	char(4)	Zip code extension for the third party contracting company.	

**Appendix A: Data Dictionary**

<b>Table #</b>	<b>Table Name</b>	<b>Data Element Name</b>	<b>Data Type</b>	<b>Data Element Description</b>	<b>Range of Values</b>
63	<b>resident_survey_contractor</b>	contractor_contact_first_name	char(20)	The third party contractor contact's first name.	
63	<b>resident_survey_contractor</b>	contractor_contact_mi_name	char(1)	Middle initial of the contact for the third party contractor.	
63	<b>resident_survey_contractor</b>	contractor_contact_last_name	char(30)	Last name of the contact for the third party contractor.	
63	<b>resident_survey_contractor</b>	contractor_contact_phone_number	numeric(10)	Phone number of the contact for the third party contractor.	
63	<b>resident_survey_contractor</b>	contractor_contact_phn_ext_num	numeric(4)	Phone number extension of the contact for the third party contractor.	
63	<b>resident_survey_contractor</b>	contractor_email_address	varchar(100)	Email address of the resident survey contractor.	

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
64	resident_survey_response	survey_unit_response_id	numeric	The unique set of characters representing an individual response.	
64	resident_survey_response	project_survey_response_id	numeric	Identifier for a returned survey. This table contains one row for each response to a survey question given by a resident. It links to project_survey_response, with project_survey_response_id as the identifier of the resident. The table also tracks the question answered (section_group_id, section_version_id, and item_id) and answer given (threshold_range_id).	
64	resident_survey_response	item_id	int	Identifier for a piece of data collected by REAC or a derived piece of data used to evaluate how a PHA is performing.	
64	resident_survey_response	section_group_id	smallint	Identifier for a group of components. The systems team should verify from where the text labels are derived. [although this is a smallint field, text descriptions have been provided in this documentation to enhance the description.]	3 - Maintenance and Repair
					4 - Communication

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					5 - Safety
					6 - Services
					7 - Neighborhood Appearance
64	resident_survey_response	section_version_id	smallint	Version of this group of components. Once locked, if any of the individual components or group parameters change, a new version of the group is required.	
64	resident_survey_response	threshold_range_id	int	Identifier for an instance of an item threshold or threshold range.	
65	resident_survey_sampling_ref	survey_sampling_version_id	numeric(4)	Unique identifier of a survey sample version.	
65	resident_survey_sampling_ref	participant_size_code	numeric(4)	A code uniquely identifying a size for participant organization (small (S), etc.).	

**Appendix A: Data Dictionary**

<b>Table #</b>	<b>Table Name</b>	<b>Data Element Name</b>	<b>Data Type</b>	<b>Data Element Description</b>	<b>Range of Values</b>
65	resident_survey_sampling_ref	participant_size_name	char(20)	Name for the size code (i.e. large, medium, small).	
65	resident_survey_sampling_ref	units_low_range_qty	numeric(10)	Minimum number of units that fall under this size classification.	
65	resident_survey_sampling_ref	units_high_range_qty	numeric(10)	Maximum number of units that fall under this size classification.	
65	resident_survey_sampling_ref	survey_response_rate_pct	decimal(4,3)	Estimated percentage of surveys to be returned from those residents sampled.	

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
65	resident_survey_sampling_ref	survey_standard_deviation_num	numeric(4)	The estimated population standard deviation (i.e. the sample standard deviation) about the mean score of the survey; 15 assumes a 100-point scale for survey scoring.	
65	resident_survey_sampling_ref	survey_tolrbl_err_mn_score_num	numeric(4)	Width of each half of the confidence interval representing the desired precision of the final survey score statistic - i.e., by construction, the confidence interval about the survey score statistic will have width twice the tolerable error.	
65	resident_survey_sampling_ref	survey_confidence_interval_num	decimal(4,2)	The confidence that the observed survey score accurately reflects the "true" score, or the precision associated with the survey score; 1.64 for two-sided 90% confidence interval and 1.96 for two-sided 95% confidence interval.	
65	resident_survey_sampling_ref	occupancy_rate_pct	decimal(4,3)	Rate of tenant occupancy expected for a participant of this size.	

**Appendix A: Data Dictionary**

<b>Table #</b>	<b>Table Name</b>	<b>Data Element Name</b>	<b>Data Type</b>	<b>Data Element Description</b>	<b>Range of Values</b>
65	resident_survey_sampling_ref	expected_unit_low_pct	numeric(4,3)	Percent of units required for a statistically valid survey sample.	
65	resident_survey_sampling_ref	expected_unit_high_pct	numeric(4,3)	Expected high response rate.	
66	resident_survey_unit_address	resident_survey_unit_id	numeric	A number uniquely identifying a unit that may be used in the survey.	
66	resident_survey_unit_address	address_type_code	char(1)	A code defining a unique type of address. [although this is a char(1) field, text descriptions have been provided in this documentation to enhance the description.]	M- Mailing Address P- Physical Address
66	resident_survey_unit_address	unit_address_line_1	char(45)	First line of the street address for the unit.	
66	resident_survey_unit_address	unit_address_line_2	char(45)	Second line of the street address for the unit.	
66	resident_survey_unit_address	unit_city_name	varchar(28)	Name of the city where the unit is located.	

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
66	resident_survey_unit_address	unit_state_code	char(2)	Two-digit code for the state or territory of the unit address.	
66	resident_survey_unit_address	unit_zip5_code	char(5)	First five digits of the zip code of the unit address.	
66	resident_survey_unit_address	unit_zip4_code	char(4)	The four digit number identifying the neighborhood within the city/state where the unit is located.	
66	resident_survey_unit_address	last_update_date	datetime	Date and time when the record was last updated.	
66	resident_survey_unit_address	last_update_user_id	char(6)	User ID of the person who last updated the record.	
66	resident_survey_unit_address	address_repl_ind	char(1)	An indicator that denotes if a PHA's address information has been updated from the Public and Indian Housing Information Center (PIC) database.  Y- Addresses have been updated. N- Addresses that have not been updated.	
67	resident_survey_unit_profile	resident_survey_unit_id	numeric	A number uniquely identifying a unit that may be used in the survey assessment.	
67	resident_survey_unit_profile	project_id	char(14)	The unique ID of the property within a PHA.	
67	resident_survey_unit_profile	resident_survey_unit_name	char(45)	The common name for a unit that may be used in the survey.	



**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
67	resident_survey_unit_profile	last_update_date	datetime	Date and time when the record was last updated.	
67	resident_survey_unit_profile	last_update_user_id	char(6)	User ID of the person who last updated the record.	
68	rule_indicator_group_item	group_id	smallint	Identifier for a group of components.	
68	rule_indicator_group_item	version_id	smallint	Version of this group of components. Once locked, if any of the individual components or group parameters change, a new version of the group is required.	
68	rule_indicator_group_item	rule_id	smallint	Identifier for a rule which is used for evaluation during validation or scoring.	
68	rule_indicator_group_item	item_id	int	Identifier for a piece of data collected by REAC or a derived piece of data used to evaluate how a PHA is performing.	
68	rule_indicator_group_item	item_group_id	smallint	Identifier for a group of components.	
68	rule_indicator_group_item	item_group_version_id	smallint	Version of this group of components. Once locked, if any of the individual components or group parameters change, a new version of the group is required.	

## Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
69	rule_item_threshold	group_id	smallint	Identifier for a group of components.	
69	rule_item_threshold	version_id	smallint	Version of this group of components. Once locked, if any of the individual components or group parameters change, a new version of the group is required.	
69	rule_item_threshold	item_id	int	Identifier for a piece of data collected or derived by REAC used to evaluate how a PHA is performing.	
69	rule_item_threshold	rule_id	smallint	Identifier for a rule which is used for evaluation during validation or scoring.	
69	rule_item_threshold	item_group_id	smallint	Identifier for a group of components.	
69	rule_item_threshold	item_group_version_id	smallint	Version of this group of components. Once locked, if any of the individual components or group parameters change, a new version of the group is required.	
69	rule_item_threshold	threshold_range_id	int	Identifier for an instance of an item threshold or threshold range.	

## Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
70	sampling_schedule	survey_sampling_version_id	numeric(4)	The version of the component.	
70	sampling_schedule	fiscal_year_end_date	datetime	The fiscal year end date that the process is scheduled for.	
70	sampling_schedule	status_code	int	The identifier indicating the status of the batch process.	
70	sampling_schedule	assess_create_date	datetime	<b>This field is not used by the RASS business team.</b>	
71	soa_group_ref	section_grp	smallint	<b>This field is not used by the RASS business team.</b>	
71	soa_group_ref	section_code	char(3)	<b>This field is not used by the RASS business team.</b>	
71	soa_group_ref	section_grp_name	varchar(50)	<b>This field is not used by the RASS business team.</b>	
71	soa_group_ref	soa_description	varchar(60)	<b>This field is not used by the RASS business team.</b>	
72	survey	survey_id	numeric(10)	The unique ID of the survey.	
72	survey	date_processed	datetime	The date the survey was processed.	
72	survey	survey_type	char(8)	The type of the survey.	

**Appendix A: Data Dictionary**

<b>Table #</b>	<b>Table Name</b>	<b>Data Element Name</b>	<b>Data Type</b>	<b>Data Element Description</b>	<b>Range of Values</b>
73	survey_file_error	file_error_id	numeric(10)	The ID of the error.	
73	survey_file_error	upload_file_location_id	varchar(100)	The name of the survey file.	
73	survey_file_error	project_id	char(20)	The unique ID of the property within the PHA.	
73	survey_file_error	property_id	numeric(10)	The ID of the MF property.	
73	survey_file_error	date_survey_received	datetime	The date the survey was received.	
73	survey_file_error	language_reference_id	numeric(3)	The ID of the language of the survey.	
73	survey_file_error	version_id	smallint	Version of this group of components. Once locked, if any of the individual components or group parameters change, a new version of the group is required.	
73	survey_file_error	group_id	smallint	Identifier for a group of components.	
73	survey_file_error	item_id	int	The ID of an individual Item.	

**Appendix A: Data Dictionary**

<b>Table #</b>	<b>Table Name</b>	<b>Data Element Name</b>	<b>Data Type</b>	<b>Data Element Description</b>	<b>Range of Values</b>
73	<b>survey_file_error</b>	response_id	int	The id of an individual response.	
73	<b>survey_file_error</b>	error_code	int	Code representing a survey file error.	
73	<b>survey_file_error</b>	survey_id	numeric(10)	The unique ID of the survey.	
73	<b>survey_file_error</b>	date_processed	datetime	The date the survey was processed.	
74	<b>survey_file_error_ref</b>	error_code	int	Code representing a survey file error.	
74	<b>survey_file_error_ref</b>	error_desc	text	Text description of the survey file error.	
75	<b>survey_followup_plan_activity</b>	followup_plan_activity_id	numeric(9)	Unique identifier for an activity within a follow-up plan for a resident survey section.	
75	<b>survey_followup_plan_activity</b>	participant_id	numeric(10)	A unique set of characters (alphanumeric) that identifies a Public Housing Agency.	

**Appendix A: Data Dictionary**

<b>Table #</b>	<b>Table Name</b>	<b>Data Element Name</b>	<b>Data Type</b>	<b>Data Element Description</b>	<b>Range of Values</b>
75	survey_followup_plan_activity	group_id	smallint	Identifier for a group of components.	
75	survey_followup_plan_activity	version_id	smallint	Version of this group of components. Once locked, if any of the individual components or group parameters change, a new version of the group is required.	
75	survey_followup_plan_activity	assessment_id	numeric(9)	Unique identifier of a PHAs submission for the particular group.	
75	survey_followup_plan_activity	item_group_id	smallint	Identifier for a group of components.	
75	survey_followup_plan_activity	item_version_id	smallint	Version of this group of components. Once locked, if any of the individual components or group parameters change, a new version of the group is required.	

**Appendix A: Data Dictionary**

<b>Table #</b>	<b>Table Name</b>	<b>Data Element Name</b>	<b>Data Type</b>	<b>Data Element Description</b>	<b>Range of Values</b>
75	survey_followup_plan_activity	item_id	int	Identifier for a piece of data collected by REAC or a derived piece of data used to evaluate how a PHA is performing.	
75	survey_followup_plan_activity	threshold_range_id	int	Identifier for an instance of an item threshold or threshold range.	
75	survey_followup_plan_activity	followup_plan_activity_dt	datetime	Date that the Public Housing Agency (PHA) has projected its follow up plan activity to be completed.	
75	survey_followup_plan_activity	followup_plan_activity_text	text	Textual description of the activity for the follow up plan for this section of the resident survey.	
75	survey_followup_plan_activity	funding_source_text	varchar(30)	The source of funding for the follow up plan activity.	

**Appendix A: Data Dictionary**

<b>Table #</b>	<b>Table Name</b>	<b>Data Element Name</b>	<b>Data Type</b>	<b>Data Element Description</b>	<b>Range of Values</b>
76	survey_imp_plan_activity	survey_imp_plan_activity_id	numeric	The unique set of characters that represents PHA Implementation Plan entry activity.	
76	survey_imp_plan_activity	participant_id	numeric(10)	A unique set of characters (alphanumeric) that identifies a PHA.	
76	survey_imp_plan_activity	group_id	smallint	Identifier for a group of components.	
76	survey_imp_plan_activity	version_id	smallint	Version of this group of components. Once locked, if any of the individual components or group parameters change, a new version of the group is required.	
76	survey_imp_plan_activity	assessment_id	numeric(9)	Unique identifier of a PHAs submission for the particular group.	
76	survey_imp_plan_activity	imp_plan_group_id	smallint	Identifier for a group of components.	
76	survey_imp_plan_activity	imp_plan_version_id	smallint	Version of this group of components. Once locked, if any of the individual components or group parameters change, a new version of the group is required.	
76	survey_imp_plan_activity	item_id	int	Identifier for a piece of data collected by REAC or a derived piece of data used to evaluate how a PHA is performing.	



**Appendix A: Data Dictionary**

<b>Table #</b>	<b>Table Name</b>	<b>Data Element Name</b>	<b>Data Type</b>	<b>Data Element Description</b>	<b>Range of Values</b>
76	survey_imp_plan_activity	threshold_range_id	int	Identifier for an instance of an item threshold or threshold range.	
76	survey_imp_plan_activity	survey_imp_plan_acty_comp_date	datetime	Date that the participant has completed this required activity.	
77	survey_imp_plan_opt_activity	imp_plan_opt_activity_seq_num	numeric	Provides uniqueness to an optional activity within an Implementation Plan. (PHAs have the option of conducting additional marketing activities to increase resident participation in the survey).	
77	survey_imp_plan_opt_activity	participant_id	numeric(10)	A unique set of characters (alphanumeric) that identifies a PHA.	
77	survey_imp_plan_opt_activity	group_id	smallint	Identifier for a group of components.	
77	survey_imp_plan_opt_activity	version_id	smallint	Version of this group of components. Once locked, if any of the individual components or group parameters change, a new version of the group is required.	
77	survey_imp_plan_opt_activity	assessment_id	numeric(9)	Unique identifier of a PHAs submission for the particular group.	
77	survey_imp_plan_opt_activity	survey_impl_plan_group_id	smallint	Identifier for a group of components.	

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
77	survey_imp_plan_opt_activity	survey_impl_plan_version_id	smallint	Version of this group of components. Once locked, if any of the individual components or group parameters change, a new version of the group is required.	
77	survey_imp_plan_opt_activity	imp_plan_opt_activity_text	varchar (255)	Text describing what optional activity is being performed.	
77	survey_imp_plan_opt_activity	imp_plan_opt_activity_cmp_date	datetime	Date that this optional activity was completed by the participant.	
78	survey_media_plan	media_plan_id	numeric(4)	A unique number identifying a particular media plan used in the resident survey assessment. The media plan is material used to promote the survey.	
78	survey_media_plan	media_plan_effective_from_date	datetime	Date that the media plan takes effect.	
78	survey_media_plan	media_plan_effective_to_date	datetime	The effective date that media plan ends.	
78	survey_media_plan	media_plan_name	char(20)	The name of the media plan used to promote the survey.	
78	survey_media_plan	media_plan_text	varchar(255)	Body text of the media plan.	
78	survey_media_plan	last_update_date	datetime	Date and time when the record was last updated.	
78	survey_media_plan	last_update_user_id	char(6)	User ID of the person who last updated the record.	

**Appendix A: Data Dictionary**

<b>Table #</b>	<b>Table Name</b>	<b>Data Element Name</b>	<b>Data Type</b>	<b>Data Element Description</b>	<b>Range of Values</b>
79	survey_response_percentage	participant_id	numeric(10)	A unique set of characters (alphanumeric) that identifies a participant organization. This could be a PHA or an owner/agent, as in MFH.	
79	survey_response_percentage	group_id	smallint	Identifier for a group of components.	
79	survey_response_percentage	version_id	smallint	Version of this group of components. Once locked, if any of the individual components or group parameters change, a new version of the group is required.	
79	survey_response_percentage	assessment_id	numeric(9)	Unique identifier of a PHAs submission for the particular group.	
79	survey_response_percentage	item_id	int	Identifier for a piece of data collected by REAC or a derived piece of data used to evaluate how a PHA is performing.	
79	survey_response_percentage	threshold_group_id	smallint	Identifier for a group of components.	
79	survey_response_percentage	threshold_version_id	smallint	Version of this group of components. Once locked, if any of the individual components or group parameters change, a new version of the group is required.	
79	survey_response_percentage	threshold_range_id	int	Identifier for an instance of an item threshold or threshold range.	

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
79	survey_response_percentage	survey_response_percentage_id	numeric(10)	The unique ID that represents the entry in the table.	
79	survey_response_percentage	project_id	char(14)	The unique ID of the property within the PHA.	
79	survey_response_percentage	response_percentage	numeric(6,3)	The response percentage for individual item.	
79	survey_response_percentage	response_count	numeric(12)	The response count for individual item.	
80	survey_sampling_version_ref	survey_sampling_version_id	numeric(4)	Unique identifier of a survey sample version. This table refers versions of sampling parameters, given by survey_sampling_version_id and stored in resident_survey_sampling_ref, to assessment cycles.	
80	survey_sampling_version_ref	survey_sampling_eff_from_dt	datetime	The effective date of the survey version.	
80	survey_sampling_version_ref	survey_sampling_eff_to_dt	datetime	The end date of the survey version.	
80	survey_sampling_version_ref	survey_sampling_version_name	char(25)	The name of the survey version.	
80	survey_sampling_version_ref	survey_sampling_version_text	varchar(255)	Textual description of this version of the survey sampling parameters.	
80	survey_sampling_version_ref	last_update_date	datetime	Date and time when the record was last updated.	
80	survey_sampling_version_ref	last_update_user_id	char(6)	User ID of the person who last updated the record.	

## Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
80	survey_sampling_version_ref	survey_prj_unit_threshold	numeric(10)	Minimum number of units per project that should be included in a sample in order to help ensure statistical validity.	
80	survey_sampling_version_ref	survey_prj_ret_threshold	numeric(10)		
80	survey_sampling_version_ref	survey_smplng_pha_unit_threshold	numeric(10)	Minimum number of units per PHA that should be included in a sample in order to help ensure statistical validity.	
81	tier_category_ref	group_id	smallint	Identifier for a group of components.	
81	tier_category_ref	version_id	smallint	Version of this group of components. Once locked, if any of the individual components or group parameters change, a new version of the group is required.	
81	tier_category_ref	tier_id	smallint	The unique ID of the tier.	
81	tier_category_ref	tier_category_id	smallint	Unique identifier for the category or level of deductions within this tier.	
81	tier_category_ref	tier_name	varchar(20)	Name for the audit tier (i.e., Tier 1, Tier 2, etc.). HUD implemented audit tiers in 2000 to measure service utilization of HUD's loss mitigation program. The lowest tiers (3 and 4) are targeted for additional training.	

## Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
81	tier_category_ref	points_per_occurrence_amt	numeric(10,5)	Amount of points deducted per occurrence of this category of audit flag.	
81	tier_category_ref	max_deduction_points_amt	numeric(10,5)	Maximum number of points that can be deducted for this category of audit flag.	
81	tier_category_ref	max_deduction_pct	numeric(10,5)	Maximum percentage that can be deducted for this category of audit flag.	
82	tier_ref	group_id	smallint	Identifier for a group of components.	
82	tier_ref	version_id	smallint	Version of this group of components. Once locked, if any of the individual components or group parameters change, a new version of the group is required.	
82	tier_ref	tier_id	smallint	The unique ID of the tier.	
82	tier_ref	tier_name	varchar(20)	Name for the audit tier (i.e., Tier 1, Tier 2, etc.).	
82	tier_ref	tier_operator_txt	varchar(20)	The audit tier operator (i.e., lesser, greater, etc.).	
82	tier_ref	tier_deduction_pct	numeric(10,5)	The percentage of points deducted from the FASS score.	
82	tier_ref	tier_deduction_point_amt	numeric(10,5)	Points that can be deducted for this Tier.	

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
83	undeliverable_address	participant_id	numeric(10)	A unique set of characters (alphanumeric) that identifies a participant organization. This could be a PHA or an owner/agent, as in MFH. This table stored addresses to which the survey was returned undeliverable. This data is uploaded for each assessment by the Survey Administrator.	
83	undeliverable_address	group_id	smallint	Identifier for a group of components.	
83	undeliverable_address	version_id	smallint	Version of this group of components. Once locked, if any of the individual components or group parameters change, a new version of the group is required.	
83	undeliverable_address	assessment_id	numeric(9)	Unique identifier of a PHAs submission for the particular group.	
83	undeliverable_address	sequence_number	int	The primary key on the table.	
83	undeliverable_address	project_id	char(14)	The unique ID of the property within the PHA.	
83	undeliverable_address	unit_address_In	char(45)	Street address of the unit where the undeliverable letter was mailed.	

**Appendix A: Data Dictionary**

<b>Table #</b>	<b>Table Name</b>	<b>Data Element Name</b>	<b>Data Type</b>	<b>Data Element Description</b>	<b>Range of Values</b>
83	<b>undeliverable_address</b>	unit_name	char(45)	Unit number associated with the unit where the undeliverable letter was mailed.	
83	<b>undeliverable_address</b>	unit_city	char(28)	Name of the city of the unit where the undeliverable letter was mailed.	
83	<b>undeliverable_address</b>	unit_state	char(2)	Two-digit state or territory code of the unit where the undeliverable letter was mailed.	
83	<b>undeliverable_address</b>	unit_zip5	char(5)	First five digits of the zip code of the unit where the undeliverable letter was mailed.	
83	<b>undeliverable_address</b>	unit_zip4	char(4)	The four digit number identifying the neighborhood within the city/state that the unit is located in.	
83	<b>undeliverable_address</b>	date_mailed	datetime	Date that the undeliverable letter was mailed.	
84	<b>unit_address_status_code_ref</b>	validation_code	char(3)	Unique identifier for validation error in the address.	
84	<b>unit_address_status_code_ref</b>	code_description	varchar(255)	Description of the validation error.	
85	<b>url_addresses</b>	group_id	smallint	Identifier for a group of components.	
85	<b>url_addresses</b>	version_id	smallint	Version of this group of components. Once locked, if any of the individual components or group parameters change, a new version of the group is	



**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
				required.	
85	url_addresses	url_ind	char(12)	The URL indicator.	
85	url_addresses	url_name	varchar(255)	The name of the URL.	
85	url_addresses	url_link	text	The URL address.	
85	url_addresses	phone_number	numeric(10)	A phone number associated with the link.	
85	url_addresses	phone_ext	numeric(6)	The extension of the phone number.	
86	user_guidance_component	user_guidance_version_id	smallint	The version with which the component is associated.	
86	user_guidance_component	user_guidance_comp_id	smallint	The identifier for a particular user guidance file type uploaded to the server.	
86	user_guidance_component	user_guidance_comp_title	varchar(45)	The name of the first file of a particular user guidance file type uploaded to the server.	
86	user_guidance_component	user_guidance_comp_name	char(40)	The user given name for the component.	
86	user_guidance_component	user_guidance_comp_link	varchar(80)	The user entered link name for the component.	
86	user_guidance_component	user_guidance_comp_description	varchar(255)	The user entered description of the user guidance component.	
86	user_guidance_component	user_guidance_comp_quadrant	smallint	The quadrant where the file link will be located on the external screen.	
86	user_guidance_component	group_id	smallint	Identifier for a group of components.	

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
86	user_guidance_component	version_id	smallint	Version of this group of components. Once locked, if any of the individual components or group parameters change, a new version of the group is required.	
86	user_guidance_component	last_update_date	datetime	The last time that component data was modified.	
86	user_guidance_component	last_update_user_id	char(6)	The last user that modified component data.	
87	user_guidance_version_ref	user_guidance_version_id	smallint	The unique identifier for a version.	
87	user_guidance_version_ref	user_guidance_version_name	varchar(40)	The version name of User Guides. The systems team should verify this description.	
87	user_guidance_version_ref	user_guidance_ver_eff_from_dt	datetime	The date on which a particular version of a user guide is effective.	
87	user_guidance_version_ref	user_guidance_ver_eff_to_dt	datetime	The effective to date for a version.	
87	user_guidance_version_ref	last_update_date	datetime	The date of the last modification to user guide version data.	
87	user_guidance_version_ref	last_update_user_id	char(6)	The user id of the last user to modify user guide version data.	
88	running_calendar	year_end_dt	datetime	The fiscal year end date that the task belong to.	
88	running_calendar	task_id	numeric(6)	The unique identifier of the	

## Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
				task	
88	running_calendar	order_number	int	The order in which the items appear on the screen.	
88	running_calendar	task_name	varchar(255)	The name and the description of the task.	
88	running_calendar	not_start_date	datetime	The task's notification start date.	
88	running_calendar	not_end_date	datetime	The task's notification end date	
88	running_calendar	task_start_date	datetime	The task's start date	
88	running_calendar	task_end_date	datetime	The task's end date.	
88	running_calendar	key_task	tinyint	The indicator whether the task is a key task or not.	
89	rass_line_item	participant_id	numeric(10)	A unique set of characters (alphanumeric) that identifies a participant organization. This could be a PHA or an owner/agent, as in MFH.	
89	rass_line_item	group_id	smallint	Identifier for a group of components.	
89	rass_line_item	version_id	smallint	Version of this group of components. Once locked, if any of the individual components or group parameters change, a new version of the group is required.	
89	rass_line_item	assessment_id	numeric(9)	Unique identifier of a PHAs submission for the particular group.	
89	rass_line_item	rass_line_item_id	numeric(10)	The unique identifier of the row on the table.	
89	rass_line_item	project_id	char(14)	The unique identifier of the project within the PHA.	

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
89	rass_line_item	demographic_id	int	The unique identifier of the combinations of the demographic criteria. Refers to demographic_code_ref.	
89	rass_line_item	item_group_id	smallint	Identifier for a group of components.	
89	rass_line_item	item_version_id	smallint	Version of this group of components. Once locked, if any of the individual components or group parameters change, a new version of the group is required.	
89	rass_line_item	item_id	int	Identifier for a piece of data collected by REAC or a derived piece of data used to evaluate how a PHA is performing.	67 - Identifies the demographic score
					68 - Address Flag VCA (Address line 1 is blank.)
					69 - Address Flag VCB (City name contains numeric characters or it is blank.)
					40 - Address Flag VCC (State code has fewer than two characters, is blank, or contains numbers.)
					71 - Address Flag VCD (Zip 5 has fewer than 5 digits, is blank, or contains

**Appendix A: Data Dictionary**

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
					non-numeric characters.)
					72 - Address Flag VCE (Duplicate address.)
					73 - Address Flag VCF (The first two letters of the Property ID are different than the address state code.)
					74 - Total Units
					75 - Total Flagged Units
89	rass_line_item	rass_line_value	numeric(12)	Storing demographic scores	
89	rass_line_item	rass_line_percent	numeric(10)	Storing address related counts	
89	rass_line_item	rass_line_smalltext	varchar(255)	Not used.	
89	rass_line_item	rass_line_date	datetime	Fiscal year end date for which the record was written.	
90	demographic_code_ref	demographic_id	int	The unique identifier of the combinations of the demographic criteria.	
90	demographic_code_ref	gender_id	int	The answer id for the gender related survey question.	
90	demographic_code_ref	age_id	int	The answer id for the age related survey question.	
90	demographic_code_ref	race_id	int	The answer id for the race related survey question.	
90	demographic_code_ref	ethnicity_id	int	The answer id for the ethnicity related survey question.	

## Appendix A: Data Dictionary

Table #	Table Name	Data Element Name	Data Type	Data Element Description	Range of Values
91	processes_survey_count	year_end_dt	datetime	The fiscal year end date for the counts.	
91	processes_survey_count	survey_count	int	The count of the processed surveys for the specified fiscal year end date.	
91	processes_survey_count	record_count	int	The count of the processed records for the specified fiscal year end date.	