

System to System Guide for FHA Connection Business Functions

Draft

1. Business Functions

The business functions will be determined by HUD's Single Family Development office. At this time HUD has approved the following business functions:

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** This function is not available as of Revision October 6, 2000.

Other business functions may be added as needed.

A technical description of each business transaction will be provided when HUD's Single Family Development office has defined the business transaction. The business transaction will include data items to be collected and returned.

HUD reserves the privilege to alter the business transactions as HUD's needs and users' needs change. HUD will provide all business partners with new business transaction definitions and allow ample time for software updates to be completed. The business partner will be required to upgrade and install software by the designated implementation date or forfeit the ability to perform the transaction.

1. Introduction

This document is prepared for HUD's Business Partners (mortgagees) and related industry service providers (example, Freddie Mac, United Communications Group) who desire to integrate real time access to HUD FHA business applications into their applications. The initial focus of this facility will be to parallel the Single Family Underwriting functionality that is currently available under HUD's FHA Connection. The FHA Connection is the Department's premier method of conducting electronic commerce with FHA business partners. The Department will make a good faith effort to keep the specifications of this facility current with the Department's programmatic initiatives.

This document describes the specifications to perform FHA Connection business functions via a system-to-system interface. It is designed for programmers and developers interested in building front-end applications that interface with HUD applications.

Environment

HUD will provide a Sybase Open Client/Open Server solution to allow business partners to gain access to the defined set of business functions. The Sybase SQL Server 11 will be utilized by HUD and provides a foundation for integrated, high-performance client/server systems. Business partners must obtain Sybase Open Client (versions 4.2 through 10.0.3) to access HUD's Sybase Open Server. Open Client runs on many platforms, including UNIX, Windows NT, Windows 95, and Windows 3.1 and complies with ANSI/ISO SQL-89 and entry-level ANSI/ISO SQL-92 standards. Open Client/Open Server architecture also supports applications written to the ODBC and X/Open XA standards.

Network Connectivity

Dedicated communications facilities are supported through HUD's network. HUD will use Frame Relay Circuits between the individual service providers and Bell Atlantic, HUD's frame relay circuit provider. HUD will connect to Bell Atlantic. The standard link for trading partners should be 56KB circuit speed with 32 KB CIR. Novell Netware Network software will be utilized. Several protocols are supported, including TCP/IP and IPX/SPX. Before following the circuit ordering procedure that follows, the HUD IT contact should also be notified of such intent.

Trading Partner circuit ordering procedure for Establishing Frame Relay Access to HUD for outside LATA 236 (metropolitan Washington, D.C.):

1. Contact the sales office of an inter-exchange ("long distance") telecommunications carrier (or IXC). Examples are AT&T, MCI, SPRINT, Worldcom, Frontier, and regional members of the UniSPAN consortium (EMI Communications Corporation, Intermedia Communications (ICI), Sprint Canada BSG (Formerly INSINC, Norlight Telecommunications (Formerly MRC Telecommunications, Inc.), PACNET Inc. (A MIDCOM Company). Other IXCs may be listed in the yellow business pages of your local telephone directory under "Telephone Companies" or a similar heading.
2. Indicate to the sales office that you required data communications service, specifically, Frame Relay Service to HUD in Washington, D.C.
3. Indicate the speed of the access line (User-Network Interface or UNI) you would like to order to your premise (e.g., 56KBS)

4. Indicate the Committed Information Rate (CIR) for the Permanent Virtual Circuit (PVC) to be established to HUD (e.g., 32 KBS)
5. Indicate that one end of the PVC is to terminate on the access line at your premise. Indicate that the other end of the PVC is to terminate on an established Bell Atlantic UNI with the circuit ID 36.QGDQ.684591..CD.
6. You may be asked to provide information about the premise equipment with which you will connect to the public network.
7. The IXC should be able to arrange for the service so indicated.
8. For further clarification, please feel free to call Mr. Aditya Bhatnager, Systems Engineer, Bell Atlantic Network Services Inc. at (202-392-2077).

Security

Two levels of security are necessary to successfully access HUD's business transactions. Each business partner will be required to obtain a HUD issued user id and password to access the Sybase Open Server. To apply for a Sybase Open Server user id, contact your HUD IT representative. Your name, social security number, and company name will be required to obtain an id.

The second level of security required is the end user's HUD issued FHA Connection id. This requires that every individual user of the business partner's network obtain a HUD issued FHA Connection user id. Lender personnel can apply for a user id, via the FHA Connection Security system, which can be accessed from the FHA Connection's 'About This Site' icon.

Each incoming business transaction will be required to have both the business partner's user id and password, and the actual user's FHA Connection user id and password. If either of these id and password combinations is invalid, the request is rejected.

Business partners are reminded that user IDs and passwords are confidential and that misuse of Federal Information falls under the provisions of the Title 18, United State Code, Section 1030. This law specifies penalties for exceeding authorized access, alterations, damage, or destruction of information residing on Federal Computers.

Operational Hours

HUD's Sybase Open Server will be available for business transactions during standard operational hours, Monday - Friday, 8:00 AM to 9:00 PM and Saturday 8:00 AM to 8:00 PM. The business functions will not be available on Sundays or government holidays.

Testing

In order to test software, users need access to HUD's network, a HUD issued user ID for mainframe access, a corresponding ID on the Sybase System 11 Server at HUD, and connection information for the Sybase System 11 Server.

Connection information for the Sybase System 11 server is as follows:

```
ipx/spx 000C01B0,1,83bd  
tcp/ip www.hud.gov,5000
```

Executing Business Functions

In order to execute business transactions, the business partner must run a client program that is Open Client compliant. The business partner must connect to a Sybase SQL Server and execute a Remote Procedure Call (RPC) residing on the Sybase SQL Server. These RPCs may be executed using either named parameters or positional parameters. When passing parameters positionally, all parameters are required. Below are examples of what is required to execute these RPCs.

2. Revisions

December 19, 2002

Revised: Insurance Application (sp_f17euc)

Future Implementation

Add the following field descriptions:

INPUT

@sell_cntrb

@sec_fin_amt

@see_fin_src

OUTPUT

SELL_CNTRB

SELL_CNTRB_FLAG

SEC_FIN_AMT

SEC_FIN_AMT_FLAG

SEC_FIN_SRC

SEC_FIN_SRC_FLAG

Revise the following field descriptions:

INPUT

@in_gift_src

- Change the valid values from 00 through 12 to 00, 01, 02, 03 and 06.

Revised: Mortgage Credit Reject (sp_f17ecc)

Implemented November 29, 2002

Add the following field descriptions:

INPUT

@in_text_line1

@in_text_line2

OUTPUT

TEXT_LINE1

TEXT_LINE2

October 4, 2002

Revised: Underwriter Registry (sp_f17smc)

Future Implementation

Removed the following fields:

INPUT
@in_originator

OUTPUT
ORIGINATOR
ORIG_FLAG

February 26, 2002

Revised: Case Number Assignment (sp_f17rlc)

Current implementation

Revise the following field description:

INPUT
@in_moyr_comp
- Add optional for cc=1

Revised: Mortgage Credit Reject (sp_f17ecc)

Current implementation; ready for testing

Remove the following fields:

OUTPUT
CITY
STATE
ZIP

February 4, 2002

Revised: Insurance Application (sp_f17euc)

Revise the following field description:

OUTPUT
LTV format as 999.99

December 13, 2001

Revised: Inspector Assigment (sp_f17dgc)

Implementation 12/17/01

Revise the following field description:

INPUT

@in_mode_flag (remove new value 'M')

- Remove the 'M' value, only valid values are Q, A, and C

OUTPUT

MODE_FLAG (remove new value 'M')

- Remove the 'M' value, only valid values are Q, A, C, X, and Y

Establish new output field:

OUTPUT

CASE_TYPE (value 'M' for MAR cases or space for all other cases)

December 3, 2001

Revised: Borrower/Address Change (sp_f17bac)

Implement new input and output fields December 15, 2001. These are described in revisions under June 6, 2001.

INPUT

@in_addr_stat

OUTPUT

ADDR_STAT

ADDRSTAT_FLAG

October 24, 2001

Revised: Mortgage Credit Reject (sp_f17ecc)

Future implementation; ready for testing

Removed the following fields:

INPUT

@in_pass_no

OUTPUT
 PASS_NO
 PASS_NO_FLAG

Changed value for mode

INPUT
 @in_mode (from 'I' [Initial query] to 'U' [update])

OUTPUT
 MODE (removed 'I', added 'U' and 'R')

Changed name of input field

INPUT
From: @in_stability_of_income
To: @in_stability_income

Guidelines for running F17ECC

Mode (required)	Additional Required Fields	Processing
Q	case_no	Query to obtain all borrowers and their data base keys with Mortgage Credit Reject records under this case number
A	case_no, db_key	Obtain Mortgage Credit Reject record information for this borrower
A	case_no, new_borrower, all data fields	Add a new Mortgage Credit Reject record; db_key must remain blank
A	case_no, delete_record, db_key, all data fields	Delete a Mortgage Credit Reject record
U	case_no, db_key, all data fields	Update a Mortgage Credit Reject record; new_borrower and delete_record must remain blank

Revised: Refinance Authorization (sp_f17rnc)

Removed the following field:

INPUT
 @in_browser

Changed name and length of output field:

Currently Implemented

OUTPUT**From:** OLD_PROP_VALUE Char(8)**To:** PROP_VALUE Char(10)

August 13, 2001

Added: New business function Mortgage Credit Reject (sp_f17ecc)

Revised: Inspector Assignment (sp_f17dgc)

Established new value for the mode flagINPUT

@in_mode_flag (new value 'M')

OUTPUT

MODE_FLAG (new value 'M')

Revised: Case Query (sp_f17hfc)

Added new output only field:OUTPUT

CHUMS_CASE_TYPE

July 17, 2001

Revised: Case Number Assignment (sp_f17rlc)

Added new output only field:OUTPUT

NT_O_PVAL

Revised: Hold Tracking (sp_rqc)

Added new output only field:OUTPUT

NT_O_PVAL

July 9, 2001

Revised: Case Query (sp_f17hfc)

Added new output only fields:

OUTPUT
OLD_PROP_VALUE

Revised: Insurance Application (sp_f17euc)

Made obsolete the input fields. If entered, value will be ignored:

INPUT
@in_prior_ind
@in_prior_dt

Revised: Refinance Authorization (sp_f17rnc)

Added new output only fields:

OUTPUT
OLD_PROP_VALUE

June 6, 2001

Revised: 203k Case Close-Out (sp_f17bhc)

Removed the following fields:

INPUT
@in_originator

OUTPUT
ORIGINATOR

Added new output only fields:

OUTPUT
ADDR_HSE_NO
ADDR_HSE_NO_SUF
ADDR_PRE_DIR
ADDR_ST_NAME
ADDR_ST_TP
ADDR_POST_DIR

OUTPUT

ADDR_CITY_NAME

ADDR_STE_CD

ADDR_CNTY_CD

ADDR_ZIP_CD

ADDR_FORMAT_TP

Revised: Appraisal Logging (sp_f17aac)

Added new output only fields:OUTPUT

MAX_CLAIM_AMT

ADDR_HSE_NO

ADDR_HSE_NO_SUFEX

ADDR_PRE_DIR

ADDR_ST_NAME

ADDR_ST_TP

ADDR_POST_DIR

ADDR_CITY_NAME

ADDR_STE_CD

ADDR_CNTY_CD

ADDR_ZIP_CD

ADDR_FORMAT_TP

ADDR_PLAT

ADDR_BLK

ADDR_LOT

Revised: Appraiser Reassignment (sp_f17apc)

Removed the following fields:INPUT

@in_orig

OUTPUT

ORIGINATOR

ORIG_FLAG

Revised: Borrower Address Change (sp_f17bac)

Note: This change will not be implemented until at least late 2001.

The following new fields have been established:

INPUT

@in_addr_stat

OUTPUT

ADDR_STAT

ADDRSTAT_FLAG

Revised: Case Number Assignment (sp_f17rlc)

The following new fields have been established:

OUTPUT

ORIG_CITY

ORIG_STATE

ORIG_ZIP

SPNSR_CITY

SPNSR_STATE

SPNSR_ZIP

Revised: Case Query (sp_f17hfc)

Added new output only fields:

OUTPUT

SPONSOR_ID

SPONSOR_NAME

APPR_VALUE

OLD_CASE_NO

UNPAID_BALANCE

FINAL_DT

HECM_FLAG

MAX_CLAIM_AMT

ADDR_HSE_NO

ADDR_HSE_NO_SUFEX

ADDR_PRE_DIR

ADDR_ST_NAME

ADDR_ST_TP

OUTPUT
ADDR_POST_DIR
ADDR_CITY_NAME
ADDR_STE_CD
ADDR_CNTY_CD
ADDR_ZIP_CD
ADDR_FORMAT_TP
ADDR_PLAT
ADDR_BLK
ADDR_LOT

Revised: Duplicate MIC (sp_f17knc)

Added new output only fields:

OUTPUT
ADDR_HSE_NO
ADDR_HSE_NO_SUFEX
ADDR_PRE_DIR
ADDR_ST_NAME
ADDR_ST_TP
ADDR_POST_DIR
ADDR_CITY_NAME
ADDR_STE_CD
ADDR_CNTY_CD
ADDR_ZIP_CD
ADDR_FORMAT_TP
ADDR_PLAT
ADDR_BLK
ADDR_LOT
ORIG_CITY
ORIG_STATE
ORIG_ZIP

Revised: HECM Insurance Application (sp_f17evc)

Added new output only fields:

OUTPUT
ADDR_HSE_NO
ADDR_HSE_NO_SUFEX

OUTPUT
ADDR_PRE_DIR
ADDR_ST_NAME
ADDR_ST_TP
ADDR_POST_DIR
ADDR_CITY_NAME
ADDR_STE_CD
ADDR_CNTY_CD
ADDR_ZIP_CD
ADDR_FORMAT_TP

Revised: Inspector Assignment (sp_f17dgc)

The following new fields have been established:

OUTPUT
ADDR_HSE_NO
ADDR_HSE_NO_SUFEX
ADDR_PRE_DIR
ADDR_ST_NAME
ADDR_ST_TP
ADDR_POST_DIR
ADDR_CITY_NAME
ADDR_STE_CD
ADDR_CNTY_CD
ADDR_ZIP_CD
ADDR_FORMAT_TP
ADDR_PLAT
ADDR_BLK
ADDR_LOT

Revised: Insurance Application (sp_f17euc)

Added new output only fields:

OUTPUT
ADDR_HSE_NO
ADDR_HSE_NO_SUFEX
ADDR_PRE_DIR
ADDR_ST_NAME
ADDR_ST_TP

OUTPUT

ADDR_POST_DIR
ADDR_CITY_NAME
ADDR_STE_CD
ADDR_CNTY_CD
ADDR_ZIP_CD
ADDR_FORMAT_TP
ADDR_PLAT
ADDR_BLK
ADDR_LOT

October 6, 2000

Revised: CAIVRS Authorization (sp_f17zrc)

Value of 'A' required if SSN/TIN indicator is N/A. Parameters affected are @in_type1, @in_type2, and @in_type3.

Removed: Case Cancel (sp_f17cdt)

This function is no longer supported.

Revised: 203k Case Close-Out (sp_f17bhc)

Value of 'C' required for parameter @in_case_type.

September 9, 2000

Added: Business function Address Validation (sp_a15c1pdc)

Added: New fields and values to Borrower/Address Change (sp_f17bac)
These changes support the collection of Tax Identification Numbers for Non-Profit borrowers.

CURV (curve) as allowable value for @in_type (street type)

9 (Undisclosed) as allowable value for @in_b1_race and @in_b2_race

INPUT

@in_b1_ssn_st
@in_b2_ssn_st
@in_b3_ssn_st

OUTPUT

OUTPUT

B3_SSN_ST

B1_SSN_ST_FLAG

B2_SSN_ST_FLAG

B3_SSN_ST_FLAG

Added: New fields to CAIVRS Authorization (sp_f17zrc)

These changes support the collection of Tax Identification Numbers in addition to Social Security Numbers.

INPUT

@in_type1

@in_type2

@in_type3

OUTPUT

SSN_IND

Added: New fields and values to Case Number Assignment (sp_f17rlc)

These changes support the collection of Tax Identification Numbers for Non-Profit borrowers.

CURV as allowable value for @in_type (street type)

INPUT

@in_addr_stat

@in_b1_ssn_st

@in_b2_ssn_st

@in_b3_ssn_st

@in_consult_id

OUTPUT

B1_SSN_ST

B2_SSN_ST

B3_SSN_ST

B1_SSN_ST_FLAG

B2_SSN_ST_FLAG

B3_SSN_ST_FLAG

CONSULT_ID

CONSULT_FLAG

CONSULT_NAME

Added: New fields to Duplicate MIC (sp_f17knc)

These changes support the collection of Tax Identification Numbers for Non-Profit borrowers.

OUTPUT

SSN1_LIT

SSN2_LIT

Added: 9 (Undisclosed) as allowable value for @in_borr1_race, @in_borr2_race, and @in_borr3_race to HECM Insurance Application (sp_f17evc)

Added: New fields to Holds Tracking (sp_f17rqc)

These changes support the collection of Tax Identification Numbers (TIN) for Non-Profit borrowers, and 203k Consultant ID.

OUTPUT

B1_SSN_TIN_IND

B2_SSN_TIN_IND

B3_SSN_TIN_IND

CONSULT_ID

CONSULT_NAME

Added: New fields and values to Insurance Application (sp_f17euc)

9 (Undisclosed) as allowable value for @in_borr1_race and @in_borr2_race

These changes support the collection of Tax Identification Numbers (TIN) for Non-Profit borrowers, TIN for Non-Profit which provide gift money, and MIP paid in cash.

INPUT

@in_gift_tin

@in_borr1_ind

@in_borr2_ind

@in_borr3_ind

@in_cash_mip

@in_consult_id

OUTPUT

GIFT_TIN

GIFT_TIN_FLAG

GIFT_NAME

BORR1_IND

OUTPUT
BORR1_IND_FLAG
BORR2_IND
BORR2_IND_FLAG
BORR3_IND
BORR3_IND_FLAG
CASH_MIP
CASH_MIP_FLAG
CONSULT_ID
CONSULT_ID_FLAG
CONSULT_NAME

Added: Business function Non-Profit Case Close - Out (sp_f17bhc)

January 26, 2000

Added: Business function Case Number Restoration (sp_f17koc)

Added: DRW as allowable value for @in_parking for Appraisal Logging (sp_f17aac)

September 17, 1999

Added: The following field to Holds Tracking (sp_f17rqc)

OUTPUT
GEOCODE_FLAG

Added: The following field to Appraisal Loggin (sp_f17aac)

OUTPUT
HECM_FLAG

July 9, 1999

Removed: The following fields from Holds Tracking (sp_f17rqc)

INPUT
@in_allcases
@in_allcomp
@in_allasgn

OUTPUT
ALL_CASES
ALL_COMPLETED

OUTPUT
ALL_CASE_NO_ASGN
ALL_FLAG
COMPLETE_FLAG
CASE_NO_ASGN_FLAG
MSG_9
MSG_10

Added: The following fields to Holds Tracking (sp_f17rqc)

INPUT
@in_sel_status

OUTPUT
SEL_STATUS
SEL_STATUS_FLAG

April 23, 1999

Added: The following fields to Case Query (sp_f17hfc)

OUTPUT
FC_CODES
FC_C_CODES
FC_COMMENT_1
FC_COMMENT_2
FC_COMMENT_3
FC_COMMENT_4
FC_COMMENT_5
FC_COMMENT_6
FC_COMMENT_7

April 5, 1999

Added: The following fields to Appraisal Logging (sp_f17aac)

INPUT
@in_form_type
@in_reac_on
@in_est_rep
@in_asse_val
@in_many_comps
@in_prox_text1

INPUT

@in_prox1
@in_net_adj_s1
@in_net_adj1
@in_tot_adj1
@n_prox_text2
@in_prox2
@in_net_adj_s2
@in_net_adj2
@in_tot_adj2
@in_prox_text3
@in_prox3
@in_net_adj_s3
@in_net_adj3
@in_tot_adj3
@in_prox_text4
@in_prox4
@in_net_adj_s4
@in_net_adj4
@in_tot_adj4
@in_prox_text5
@in_prox5
@in_net_adj_s5
@in_net_adj5
@in_tot_adj5
@in_prox_text6
@in_prox6
@in_net_adj_s6
@in_net_adj6
@in_tot_adj6
@in_loc_haz
@in_soil_con
@in_gd_probs
@in_wis_probs
@in_wd_insects
@in_pm_probs
@in_str_def
@in_found_def

INPUT

@in_roof_def
@in_ms_probs
@in_gs_def
@in_det_paint

OUTPUT

FORM_TYPE
FORM_TYPE_FLAG
REAC_ON
EST_REP
EST_REP_FLAG
ASSE_VAL
ASSE_VAL_FLAG
MANY_COMPS
MANY_COMPS_FLAG
PROX_TEXT1
PROX_TEXT1_FLAG
PROX1
PROX1_FLAG
NET_ADJ_S1
NET_ADJ_S1_FLAG
NET_ADJ1
NET_ADJ1_FLAG
TOT_ADJ1
TOT_ADJ1_FLAG
PROX_TEXT2
PROX_TEXT2_FLAG
PROX2
PROX2_FLAG
NET_ADJ_S2
NET_ADJ_S2_FLAG
NET_ADJ2
NET_ADJ2_FLAG
TOT_ADJ2
TOT_ADJ2_FLAG
PROX_TEXT3
PROX_TEXT3_FLAG
PROX3

OUTPUT
PROX3_FLAG
NET_ADJ_S3
NET_ADJ_S3_FLAG
NET_ADJ3
NET_ADJ3_FLAG
TOT_ADJ3
TOT_ADJ3_FLAG
PROX_TEXT4
PROX_TEXT4_FLAG
PROX4
PROX4_FLAG
NET_ADJ_S4
NET_ADJ_S4_FLAG
NET_ADJ4
NET_ADJ4_FLAG
TOT_ADJ4
TOT_ADJ4_FLAG
PROX_TEXT5
PROX_TEXT5_FLAG
PROX5
PROX5_FLAG
NET_ADJ_S5
NET_ADJ_S5_FLAG
NET_ADJ5
NET_ADJ5_FLAG
TOT_ADJ5
TOT_ADJ5_FLAG
PROX_TEXT6
PROX_TEXT6_FLAG
PROX6
PROX6_FLAG
NET_ADJ_S6
NET_ADJ_S6_FLAG
NET_ADJ6
NET_ADJ6_FLAG
TOT_ADJ6
TOT_ADJ6_FLAG

OUTPUT
LOC_HAZ
LOC_HAZ_FLAG
SOIL_CON
SOIL_CON_FLAG
GD_PROBS
GD_PROBS_FLAG
WIS_PROBS
WIS_PROBS_FLAG
WD_INSECTS
WD_INSECTS_FLAG
PM_PROBS
PM_PROBS_FLAG
STR_DEF
STR_DEF_FLAG
FOUND_DEF
FOUND_DEF_FLAG
ROOF_DEF
ROOF_DEF_FLAG
MS_PROBS
MS_PROBS_FLAG
GS_DEF
GS_DEF_FLAG
DET_PAINT
DET_PAINT_FLAG

3. 203k Case Close-Out (sp_f17bhc)

Parameters in positional order:

<u>Parameter Name</u>	<u>Size</u>	<u>Description</u>
@in_user	char(6)	User ID – Required
@in_password	char(8)	User password – Required
@in_mode_flag	char(1)	Indicates the phase: Constant 2 for Edit
@in_case_no	char(10)	FHA Case Number
@in_case_action	char(1)	Indicates if action is to be taken (Y)es or (N)o.
@in_status_flag	char(1)	Flag indicating if the request was successful: (E)rror, (S)uccessful, (W)arning, or (G)ood.
@in_case_type	char(1)	Indicates process constant "C" for close-out

Description of the Result Table:

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
USERID	char(6)	User ID.
CASE_NO	char(11)	FHA Case Number - value of @in_case_no reformatted as 999-9999999 or returned as sent if not numeric.
CASE_ACTION	char(1)	Indicates if the action is to be taken (Y)es or N(o). If Y(es), the Case will be marked as completed or reinstated depending on the status of the case. If N(o), no action will be taken.
CASE_TEXT	char(30)	Type of action to be taken: REINSTATE CASE or COMPLETE CASE.
CASE_ADDRESS_1	char(40)	Property Street address.
CASE_ADDRESS_2	char(40)	Property City, State, and Zip Code
MODE_FLAG	char(1)	Indicates Phase: (2) Edit, or (3) Complete.
STATUS_FLAG	char(1)	Flag indicating if the request was successful: (E)rror, (S)uccessful, (W)arning, or (G)ood.
STATUS_MSG	char(78)	Message detailing if request was successful.
MSG_1	char(78)	Detail error or warning message.
MSG_2	char(78)	Detail error or warning message.
MSG_3	char(78)	Detail error or warning message.
MSG_4	char(78)	Detail error or warning message.
MSG_5	char(78)	Detail error or warning message.
MSG_6	char(78)	Detail error or warning message.
CASE_TYPE	char(1)	Value of @in_case_type
COMPLETE_DATE	char(10)	Date of close-out formatted as MM/DD/CCYY.

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
ADDR_HSE_NO	char(7)	House number of the property.
ADDR_HSE_NO_SUFEX	char(6)	House number suffix of the property.
ADDR_PRE_DIR	char(2)	Prefix directional (N, S, E, W, etc.) of the property.
ADDR_ST_NAME	char(20)	Street name of the property.
ADDR_ST_TP	char(4)	Street type (Ct, St, Ave, Blvd, etc.) of the property.
ADDR_POST_DIR	char(2)	Post directional (N, S, E, W, etc.) of the property.
ADDR_CITY_NAME	char(17)	City of the property.
ADDR_STE_CD	char(2)	State of the property.
ADDR_CNTY_CD	char(3)	County code of the property.
ADDR_ZIP_CD	char(9)	Zip Code of the property.
ADDR_FORMAT_TP	char(1)	Format type of the property (S for Standard Format or L for Lot/ Block/Plat).

4. Address Validation (sp_a15c1pdc)

The address validation module provides a confidence check of property addresses.

Parameters in positional order:

<u>Parameter Name</u>	<u>Size</u>	<u>Description</u>
@in_user	char(6)	User ID
@in_password	char(8)	User Password
@in_pre	char (6)	Address prefix directional (N,S,E,W,etc.)
@in_suffix	char (6)	Address suffix
@in_postfix	char (6)	Address post directional (N,S,E,W,etc.)
@in_hse_no	char (6)	Number on structure
@in_preFix	char (5)	Address prefix
@in_street	char (30)	Name of street
@in_type	char (6)	Type of street (CT, St, Ave, Blvd, etc.)
@in_cityName	char (50)	Name of city
@in_fullZip	char (10)	Zip + 4
@in_st	char (2)	Two character abbreviation of state

Description of result table:

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
SAL	70	Standard address line (number, street, etc.)
APTINFO	5	Apartment number
CITY	30	City name
CTYP	1	City type
STATE	2	State
ZIP9	10	ZIP +4 including "dash"
NUMBER	10	Street number
PREDIR	5	Pre directional
STREET	25	Street name
STYPE	6	Type of street (CT, St, Ave, Blvd, etc.)
POSTDIR	6	Address post directional (N, S, E, W)
POBOX	6	PO Box information
CNTY	3	County code
RCODES	8	Results code ¹
MESSAGE	100	Explanatory message

Result codes are read positionally in the field. A successful match will populate RCODES with '00 P' where the number (00) indicates the percentage of deviation from perfect in confidence. Deviations up to 20% (20 P) are normal for trivialities in spacing in address fields. Following are the possible error codes for non-matching addresses:

Position	Character	Meaning
1	B	Insufficient information for match.
	H	Address cannot be located. Normally incorrect house number.
	S	Street name and or house number cannot be found.
	Z	Zip code not found or incorrect.
4	D	Directional (pre or post) of (E, W, etc.) does not match the database.
	N	This address requires a directional (pre or post) of (E, W, etc.).
5	N	This address requires a street type (DR, CT, etc.) to distinguish it.
	S	Street type (DR, CT, etc.) not correct.
6	A	Address in database does not list the units specified. (Apartment units do not exist or are not listed as specified in query.)
	N	Address in database lists units for this address. (No apartment units specified in query, but are listed in database.)

5. Appraisal Logging (sp_f17aac)

Parameters in positional order:

<u>Parameter Name</u>	<u>Size</u>	<u>Description</u>
@in_user	char(6)	User ID
@in_password	char(8)	User Password
@in_mode	char(1)	Request mode: (Q)uery, (U)pdate
@in_case_no	char(10)	FHA Case Number
@in_form_type	char(1)	Type of form used to determine if certain REAC fields are required or not with values "U", "H", space.
@in_appr_rec_dt	char(6)	Date the Field Office received the appraisal. The field is formatted as yymdd.
@in_sale_dt	char(6)	Date of Sale. The field is formatted as yymmdd.
@in_reac_on	char(1)	Used to determine if REAC fields are entered and should be edited. Valid values are "Y" or "N".
@in_est_rep	char(5)	Estimated cost for property repairs.
@in_asse_val	char(6)	Assessor's opinion of the property's full market value.
@in_location	char(1)	Type of neighborhood in which the property is located. The valid values are (U)rban, (S)uburban, (R)ural.
@in_prct_owned	char(3)	Percentage of neighborhood dwellings. May not exceed 100%.
@in_nghbrh_prc	char(6)	Neighborhood price.
@in_prcnt_1fam	char(3)	Percentage of one family.
@in_two_four	char(3)	Percentage of two to four Family.
@in_multi_fam	char(3)	Percentage of multi Family.
@in_commrcl	char(3)	Percentage of commercial.
@in_lvg_sqft	char(5)	Square Feet of living.
@in_acres	char(6)	Acres formatted as 999.99.
@in_type	char(1)	Type of building. Valid values are (C)ondo, (D)etached, (S)emi-detached, (R)ow and space.
@in_hud_cd	char(1)	Manufactured Housing with valid values "Y" or "N".
@in_foundation	char(8)	Type of property foundation. Valid values are (B)asement, (S)lab, (C)rawl and space.
@in_nmbr_rms	char(2)	Number of rooms.
@in_nmbr_bedrms	char(2)	Number of bedrooms.
@in_nmbr_baths	char(3)	Number of baths.
@in_lvg_area	char(4)	Sq Feet of Living area.

<u>Parameter Name</u>	<u>Size</u>	<u>Description</u>
@in_air_cond	char(1)	Air conditioning with valid values of "Y" or "N".
@in_parking	char(3)	Parking with valid values of 1G (One-car Garage), 2G (Two-car Garage), 3G (Three-car Garage), 4G (Four-car Garage), 1CP (One-car Carport), 2CP (Two-car Carport), 3CP (Three-car Carport), 4CP (Four-car Carport), DRW (Driveway) and space.
@in_site_valu	char(6)	Site value
@in_prop_valu	char(6)	Property value
@in_many_comps	char(1)	Indicates the number of (comparable) properties that were used in the sales comparison approach for the property. Valid values are 0-6.
@in_prox_text1	char(1)	Proximity to property text with valid values of A (Across the Street), D (Adjacent to Property), E (Behind), N (Next Door), B (Blocks), F (Feet) and M (Miles).
@in_prox1	char(7)	Proximity (distance or location) of property used in the sales comparison approach. This field coincides with proximity text.
@in_net_adj_s1	char(1)	Sign that coincides with @in_net_adj1. Valid values of "+", "-", or space.
@in_net_adj1	char(5)	Total net dollar adjustments made for property's amenities and/or features.
@in_tot_adj1	char(2)	How many adjustments done for this property/comparable.
@in_prox_text2	char(1)	Proximity to property text with valid values of A (Across the Street), D (Adjacent to Property), E (Behind), N (Next Door), B (Blocks), F (Feet) and M (Miles).
@in_prox2	char(7)	Proximity (distance or location) of property used in the sales comparison approach. This field coincides with proximity text.
@in_net_adj_s2	char(1)	Sign that coincides with @in_net_adj2. Valid values of "+", "-", or space.
@in_net_adj2	char(5)	Total net dollar adjustments made for property's amenities and/or features.
@in_tot_adj2	char(2)	How many adjustments done for this property/comparable.
@in_prox_text3	char(1)	Proximity to property text with valid values of A (Across the Street), D (Adjacent to Property), E (Behind), N (Next Door), B (Blocks), F (Feet) and M (Miles).

<u>Parameter Name</u>	<u>Size</u>	<u>Description</u>
@in_prox3	char(7)	Proximity (distance or location) of property used in the sales comparison approach. This field coincides with proximity text.
@in_net_adj_s3	char(1)	Sign that coincides with @in_net_adj3. Valid values of "+", "-", or space.
@in_net_adj3	char(5)	Total net dollar adjustments made for property's amenities and/or features.
@in_tot_adj3	char(2)	How many adjustments done for this property/comparable.
@in_prox_text4	char(1)	Proximity to property text with valid values of A (Across the Street), D (Adjacent to Property), E (Behind), N (Next Door), B (Blocks), F (Feet) and M (Miles).
@in_prox4	char(7)	Proximity (distance or location) of property used in the sales comparison approach. This field coincides with proximity text.
@in_net_adj_s4	char(1)	Sign that coincides with @in_net_adj4. Valid values of "+", "-", or space.
@in_net_adj4	char(5)	Total net dollar adjustments made for property's amenities and/or features.
@in_tot_adj4	char(2)	How many adjustments done for this property/comparable.
@in_prox_text5	char(1)	Proximity to property text with valid values of A (Across the Street), D (Adjacent to Property), E (Behind), N (Next Door), B (Blocks), F (Feet) and M (Miles).
@in_prox5	@in_prox5	Proximity (distance or location) of property used in the sales comparison approach. This field coincides with proximity text.
@in_net_adj_s5	char(1)	Sign that coincides with @in_net_adj5. Valid values of "+", "-", or space.
@in_net_adj5	char(5)	Total net dollar adjustments made for property's amenities and/or features.
@in_tot_adj5	char(2)	How many adjustments done for this property/comparable.
@in_prox_text6	char(1)	Proximity to property text with valid values of A (Across the Street), D (Adjacent to Property), E (Behind), N (Next Door), B (Blocks), F (Feet) and M (Miles).
@in_prox6	char(7)	Proximity (distance or location) of property used in the sales comparison approach. This field coincides with proximity text.
@in_net_adj_s6	char(1)	Sign that coincides with @in_net_adj6. Valid values of "+", "-", or space.

<u>Parameter Name</u>	<u>Size</u>	<u>Description</u>
@in_net_adj6	char(5)	Total net dollar adjustments made for property's amenities and/or features.
@in_tot_adj6	char(2)	How many adjustments done for this property/comparable.
@in_act_appr_id	char(22)	License ID of appraiser who completed the appraisal
@in_dt_apprs	char(6)	Date appraised formatted as yymmdd.
@in_loc_haz	char(1)	Location Hazards with valid values of Y (YES), N (NO), or space (N/A).
@in_soil_con	char(1)	Soil Contamination with valid values of Y (YES), N (NO), or space (N/A).
@in_gd_probs	char(1)	Grading and Drainage Problems with valid values of Y (YES), N (NO), or space (N/A).
@in_pm_probs	char(1)	Private Road Access and Maintenance Problems with valid values of Y (YES), N (NO), or space (N/A).
@in_str_def	char(1)	Structural Deficiencies with valid values of Y (YES), N (NO), or space (N/A).
@in_found_def	char(1)	Foundation Deficiencies with valid values of Y (YES), N (NO), or space (N/A).
@in_roof_def	char(1)	Roofing Deficiencies with valid values of Y (YES), N (NO), or space (N/A).
@in_ms_probs	char(1)	Mechanical Systems Problems with valid values of Y (YES), N (NO), or space (N/A).
@in_gs_def	char(1)	General Health and Safety Deficiencies with valid values Y (YES), N (NO), or space (N/A).
@in_det_paint	char(1)	Deteriorated Paint with valid values of Y (YES), N (NO), or space (N/A).

Note: @in_form_type, @in_est_rep, @in_asse_val, @in_many_comps, @in_prox_text1, @in_prox1, @in_net_adj_s1, @in_net_adj1, @in_tot_adj1, @in_prox_text2, @in_prox2, @in_net_adj_s2, @in_net_adj2, @in_tot_adj2, @in_prox_text3, @in_prox3, @in_net_adj_s3, @in_net_adj3, @in_tot_adj3, @in_prox_text4, @in_prox4, @in_net_adj_s4, @in_net_adj4, @in_tot_adj4, @in_prox_text5, @in_prox5, @in_net_adj_s5, @in_net_adj5, @in_tot_adj5, @in_prox_text6, @in_prox6, @in_net_adj_s6, @in_net_adj6, @in_tot_adj6, @in_appr_is, @in_loc_haz, @in_soil_con, @in_gd_probs, @in_wis_probs, @in_wd_insects, @in_pm_probs, @in_str_def, @in_found_def, @in_roof_def, @in_ms_probs, @in_gs_def, and @in_det_paint are collected only when REAC_ON is "Y".

Description of result table:

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
MODE	char(1)	Return mode: "Q" or "U". If "Q", the output is returned with query only with error messages, if applicable. If "U", the current case data is returned for update.

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
CASE_NO	char(11)	Case Number - value of @in_case_no reformatted as 999-9999999.
CASE_NO_FLAG	char(1)	Flag indicating if the @in_case_no or transaction caused an error. If "Y", the @in_case_no or transaction was in error. Otherwise, the @in_case_no or transaction was not in error.
ORIGINATOR	char(10)	Originator ID.
STATUS_FLAG	char(1)	Flag indicating if the request was successful. If "E", the request was not processed due to errors. If "W", the request was processed but warnings were found. If "N", the request was processed with no errors or warnings.
STATUS_MSG	char(78)	Message detailing if request was successful.
ERR_MSG_1	char(78)	Details error or warning message.
ERR_MSG_2	char(78)	Details error or warning message.
ERR_MSG_3	char(78)	Details error or warning message.
ERR_MSG_4	char(78)	Details error or warning message.
ERR_MSG_5	char(78)	Details error or warning message.
ERR_MSG_6	char(78)	Details error or warning message.
ERR_MSG_7	char(78)	Details error or warning message.
ERR_MSG_8	char(78)	Details error or warning message.
ERR_MSG_9	char(78)	Details error or warning message.
ERR_MSG_10	char(78)	Details error or warning message.
ERR_MSG_11	char(78)	Details error or warning message.
ERR_MSG_12	char(78)	Details error or warning message.
ERR_MSG_13	char(78)	Details error or warning message.
ERR_MSG_14	char(78)	Details error or warning message.
ERR_MSG_15	char(78)	Details error or warning message.
ERR_MSG_16	char(78)	Details error or warning message.
ERR_MSG_17	char(78)	Details error or warning message.
ERR_MSG_18	char(78)	Details error or warning message.
ERR_MSG_19	char(78)	Details error or warning message.
ERR_MSG_20	char(78)	Details error or warning message.
ERR_MSG_21	char(78)	Details error or warning message.
ERR_MSG_22	char(78)	Details error or warning message.
ERR_MSG_23	char(78)	Details error or warning message.
ERR_MSG_24	char(78)	Details error or warning message.
ERR_MSG_25	char(78)	Details error or warning message.
AA_STR_ADDR	char(64)	Assigned Appraiser street address.

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
ASSIGN_APPR_ID	char(22)	Assigned Appraiser License ID
AA_ID_FLAG	char(1)	Flag indicating if the appraiser id is in error ("E") or has a warning ("W").
ASSIGN_APPR	char(22)	Assigned Appraiser Name
AA_APPR_FLAG	char(1)	Flag indicating if the assigned appraiser is in error ("E") or has a warning ("W").
FORM_TYPE	char(1)	Type of form used to determine whether certain REAC fields are required or not. Values are "U", "H", or space.
FORM_TYPE_FLAG	char(1)	Flag indicating if @in_form_type is in error ("E") or has a warning ("W").
APPR_REC_DT	char(8)	Appraisal Received Date reformatted as mm/dd/yy
APPR_REC_FLAG	char(1)	Flag indicating if @in_appr_rec_dt is in error ("E") or has a warning ("W").
SALE_DT	char(8)	Sale date reformatted as mm/dd/yy
SALE_DT_FLAG	char(1)	Flag indicating if @in_sale_dt is in error ("E") or has a warning ("W").
REAC_ON	char(1)	Flag to indicate whether REAC fields are to be displayed ("Y") or not ("N").
EST_REP	char(5)	Estimated costs of repairs.
EST_REP_FLAG	char(1)	Flag indicating if @in_est_rep is in error ("E") or has a warning ("W").
ASSE_VAL	char(6)	Assessor's opinion of property's full market value.
ASSE_VAL_FLAG	char(1)	Flag indicating if @in_asse_val is in error ("E") or has a warning ("W").
LOCATION	char(1)	Location
LOCATION_FLAG	char(1)	Flag indicating if @in_location is in error ("E") or has a warning ("W").
PRCT_OWNED	char(3)	Percent Owned
PRCT_OWNED_FLAG	char(1)	Flag indicating if @in_prct_owned is in error ("E") or has a warning ("W").
NGHBRH_PRC	char(6)	Neighborhood Price.
NGHBRH_PRC_FLAG	char(1)	Flag indicating if @in_nghbrh_prc is in error ("E") or has a warning ("W").
PRCNT_1FAM	char(3)	Percent land use of one family
PRCNT_1FAM_FLAG	char(1)	Flag indicating if @in_prcnt_1fam is in error ("E") or has a warning ("W").
TWO_FOUR	char(3)	Percent land use of two to four families.
TWO_FOUR_FLAG	char(1)	Flag indicating if @in_two_four is in error ("E") or has a warning ("W").
MULTI_FAM	char(3)	Percent land use of multiple families.

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
MULTI_FAM_FLAG	char(1)	Flag indicating if @in_multi_fam is in error ("E") or has a warning ("W").
COMMRCL	char(3)	Percent land use of commercial
COMMRCL_FLAG		

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
SITE_VALU_FLAG	char(6)	Flag indicating if @in_site_valu is in error ("E") or has a warning ("W").
PROP_VALU	char(6)	Property Value
PROP_VALU_FLAG	char(1)	Flag indicating if @in_prop_valu is in error ("E") or has a warning ("W").
MANY_COMPS	char(1)	Number of (comparable) properties that were used in the sales comparison approach.
MANY_COMPS_FLAG	char(1)	Flag indicating if @in_many_comps is in error ("E") or has a warning ("W").
PROX_TEXT1	char(1)	Proximity to property indicator.
PROX_TEXT1_FLAG	char(1)	Flag indicating if @in_prox_text1 is in error ("E") or has a warning ("W").
PROX1	char(7)	Proximity to property amount.
PROX1_FLAG	char(1)	Flag indicating if @in_prox1 is in error ("E") or has a warning ("W").
NET_ADJ_S1	char(1)	Sign associated with NET_ADJ1.
NET_ADJ_S1_FLAG	char(1)	Flag indicating if @in_net_adj_s1 is in error ("E") or has a warning ("W").
NET_ADJ1	char(5)	Total Net Dollar Adjustments made for the property's amenities and/or features.
NET_ADJ1_FLAG	char(1)	Flag indicating if @in_net_adj1 is in error ("E") or has a warning ("W").
TOT_ADJ1	char(2)	How many adjustments were done for this comparable/property.
TOT_ADJ1_FLAG	char(1)	Flag indicating if @in_tot_adj1 is in error ("E") or has a warning ("W").
PROX_TEXT2	char(1)	Proximity to property indicator.
PROX_TEXT2_FLAG	char(1)	Flag indicating if @in_prox_text2 is in error ("E") or has a warning ("W").
PROX2	char(7)	Proximity to property amount.
PROX2_FLAG	char(1)	Flag indicating if @in_prox2 is in error ("E") or has a warning ("W").
NET_ADJ_S2	char(1)	Sign associated with NET_ADJ2.
NET_ADJ_S2_FLAG	char(1)	Flag indicating if @in_net_adj_s2 is in error ("E") or has a warning ("W").
NET_ADJ2	char(5)	Total Net Dollar Adjustments made for the property's amenities and/or features.
NET_ADJ2_FLAG	char(1)	Flag indicating if @in_net_adj2 is in error ("E") or has a warning ("W").
TOT_ADJ2	char(2)	How many adjustments were done for this comparable/property.

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
TOT_ADJ2_FLAG	char(1)	

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
NET_ADJ_S5	char(1)	Sign associated with NET_ADJ5.
NET_ADJ_S5_FLAG	char(1)	Flag indicating if @in_net_adj_s5 is in error ("E") or has a warning ("W").
NET_ADJ5	char(5)	Total Net Dollar Adjustments made for the property's amenities and/or features.
NET_ADJ5_FLAG	char(1)	Flag indicating if @in_net_adj5 is in error ("E") or has a warning ("W").
TOT_ADJ5	char(2)	How many adjustments were done for this comparable/property.
TOT_ADJ5_FLAG	char(1)	Flag indicating if @in_tot_adj5 is in error ("E") or has a warning ("W").
PROX_TEXT6	char(1)	Proximity to property indicator.
PROX_TEXT6_FLAG	char(1)	Flag indicating if @in_prox_text6 is in error ("E") or has a warning ("W").
PROX6	char(7)	Proximity to property amount.
PROX6_FLAG	char(1)	Flag indicating if @in_prox6 is in error ("E") or has a warning ("W").
NET_ADJ_S6	char(1)	Sign associated with NET_ADJ6.
NET_ADJ_S6_FLAG	char(1)	Flag indicating if @in_net_adj_s6 is in error ("E") or has a warning ("W").
NET_ADJ6	char(5)	Total Net Dollar Adjustments made for the property's amenities and/or features.
NET_ADJ6_FLAG	char(1)	Flag indicating if @in_net_adj6 is in error ("E") or has a warning ("W").
TOT_ADJ6	char(2)	How many adjustments were done for this comparable/property.
TOT_ADJ6_FLAG	char(1)	Flag indicating if @in_tot_adj6 is in error ("E") or has a warning ("W").
APPR_IS	char(6)	Appraised value of the property in its current state.
APPR_IS_FLAG	char(1)	Flag indicating if @in_appr_is is in error ("E") or has a warning ("W").
ACT_APPR_ID	char(22)	Actual Appraiser ID
ACT_APPR_ID_FLAG	char(1)	Flag indicating if @in_act_appr_id is in error ("E") or has a warning ("W").
ACT_APPR	char(30)	Actual Appraiser name
ACT_APPR_FLAG	char(1)	Flag indicating if @in_act_appr_id is in error ("E") or has a warning ("W").
DT_APPRS	char(8)	Date appraised reformatted to mm/dd/yy
DT_APPRS_FLAG	char(1)	Flag indicating if @in_dt_apprs is in error ("E") or has a warning ("W").
LOC_HAZ	char(1)	Location Hazards.

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
LOC_HAZ_FLAG	char(1)	Flag indicating if @in_loc_haz is in error ("E") or has a warning ("W").
SOIL_CON	char(1)	Soil Contamination.
SOIL_CON_FLAG	char(1)	Flag indicating if @in_soil_con is in error ("E") or has a warning ("W").
GD_PROBS	char(1)	Grading and Drainage Problems.
GD_PROBS_FLAG	char(1)	Flag indicating if @in_gd_probs is in error ("E") or has a warning ("W").
WIS_PROBS	char(1)	Well, Individual Water Supply and Septic Problems.
WIS_PROBS_FLAG	char(1)	Flag indicating if @in_wis_probs is in error ("E") or has a warning ("W").
WD_INSECTS	char(1)	Wood Destroying Insects.
WD_INSECTS_FLAG	char(1)	Flag indicating if @in_wd_insects is in error ("E") or has a warning ("W").
PM_PROBS	char(1)	Private Road Access and Maintenance Problems.
PM_PROBS_FLAG	char(1)	Flag indicating if @in_pm_probs is in error ("E") or has a warning ("W").
STR_DEF	char(1)	Structural Deficiencies.
STR_DEF_FLAG	char(1)	Flag indicating if @in_str_def is in error ("E") or has a warning ("W").
FOUND_DEF	char(1)	Foundation Deficiencies.
FOUND_DEF_FLAG	char(1)	Flag indicating if @in_found_def is in error ("E") or has a warning ("W").
ROOF_DEF	char(1)	Roofing Deficiencies.
ROOF_DEF_FLAG	char(1)	Flag indicating if @in_roof_def is in error ("E") or has a warning ("W").
MS_PROBS	char(1)	Mechanical Systems Problems.
MS_PROBS_FLAG	char(1)	Flag indicating if @in_ms_probs is in error ("E") or has a warning ("W").
GS_DEF	char(1)	General Health and Safety Deficiencies.
GS_DEF_FLAG	char(1)	Flag indicating if @in_gs_def is in error ("E") or has a warning ("W").
DET_PAINT	char(1)	Deteriorated Paint.
DET_PAINT_FLAG	char(1)	Flag indicating if @in_det_paint is in error ("E") or has a warning ("W").
HECM_FLAG	char(1)	Used to indicate HECM case.
MAX_CLAIM_AMT	char(6)	Maximum claim amount that can be insured or property value, whichever is less.
ADDR_HSE_NO	char(7)	House number of the property.
ADDR_HSE_NO_SUFIX	char(6)	House number suffix of the property.

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
ADDR_PRE_DIR	char(2)	Prefix directional (N,S,E,W, etc) of the property.
ADDR_ST_NAME	char(20)	Street name of the property.
ADDR_ST_TP	char(4)	Street type (Ct, St, Ave, Blvd, etc.) of the property.
ADDR_POST_DIR	char(2)	Post directional (N, S, E, W, etc.) of the property.
ADDR_CITY_NAME	char(17)	City of the property.
ADDR_STE_CD	char(2)	State of the property.
ADDR_CNTY_CD	char(3)	County code of the property.
ADDR_ZIP_CD	char(9)	Zip Code of the property.
ADDR_FORMAT_TP	char(1)	Format type of the property (S for Standard Format or L for Lot/Block/Plat).
ADDR_PLAT	char(2)	Plat identifier on which the property resides.
ADDR_BLK	char(3)	Block identifier on the plat on which the property resides.
ADDR_LOT	char(4)	Lot identifier in the block, on the plat on which the property resides.

6. Appraiser Reassignment (sp_f17apc)

Parameters in positional order:

<u>Parameter Name</u>	<u>Size</u>	<u>Description</u>
@in_user	char(6)	User ID
@in_password	char(8)	User Password
@in_case_no	char(10)	Case Number - 10 numeric characters
@in_curr_appr	char(22)	Current Appraiser - License Number of the Current Appraiser
@in_new_appr	char(22)	New Appraiser - License Number of the New Appraiser

Description of result table:

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
USERID	char(6)	Value of @in_user
CASE_NO	char(11)	Case Number - value of @in_case_no reformatted as 999-999999.
CURR_APPR	char(22)	Value of @in_curr_appr
CURR_NAME	char(22)	Name of Appraiser with license number matching @in_curr_appr
NEW_APPR	char(22)	Value of @in_new_appr
NEW_NAME	char(22)	Name of Appraiser with license number matching @in_new_appr
CASE_FLAG	char(1)	Flag to show if the @in_case_no caused an error. If "Y" an @in_case_no was in error. If "N" @in_case_no was not in error.
CURR_FLAG	char(1)	Flag to show if the @in_curr_appr caused an error. If "Y" an @in_curr_appr was in error. If "N" @in_curr_appr was not in error.
NEW_FLAG	char(1)	Flag to show if the @in_new_appr caused an error. If "Y" an @in_new_appr was in error. If "N" @in_new_appr was not in error.
STATUS_MSG	char(78)	Message detailing if request was successful.
STATUS_FLAG	char(1)	Flag indicating if the request was successful. If "E", the request was not processed due to errors. If "W", the case was processed but Warnings are given. If "N" case was processed with no warnings.
MSG_1	char(78)	Details error message or warning message.
MSG_2	char(78)	Details error message or warning message.
MSG_3	char(78)	Details error message or warning message.

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
MSG_4	char(78)	Details error message or warning message.

7. Borrower/Address Change (sp_f17bac)

Parameters in positional order:

<u>Parameter Name</u>	<u>Size</u>	<u>Description</u>
@in_user	char(6)	User ID - Required
@in_password	char(8)	Password - Required
@in_case_no	char(10)	Case Number - Required - 10 numeric digits
@in_case_tp	char(1)	Case Type - Required - Not Updateable Valid Values: 1 - Regular HUD 2 - Irregular HUD 3 - HUD VA/CRV 4 - DE VA/CRV 5 - Regular DE
@in_constn_cd	char(1)	Construction Code - Required - Not Updateable Valid values: 1 - Proposed Construction 2 - Substantial Rehabilitation 3 - Under Construction 4 - Existing Construction
@in_proc_tp	char(1)	Processing Type - Optional - Not Updateable Valid Values: 0 - No processing type for this case 1 - HECM 3 - Military Sales 4- Secretary-Held Sales
@in_adp_cd	char(3)	ADP Code - Required - 3 numeric digits
@in_prog_id	char(2)	Program ID - Required - 2 numeric digits
@in_liv_units	char(2)	Living Units - Required - 2 numeric digits Valid Values 1 thru 11, also limited by maximum Living Units for ADP Code.

<u>Parameter Name</u>	<u>Size</u>	<u>Description</u>
@in_borr_type	char(1)	Borrower Type - Optional - 1 numeric digit Valid Values: 0 - Borrower type not yet collected 1 - Occupant 2 - Landlord 5 - Escrow Commitment 7 - Corporation/Partnership (Refi) 8 - Government Agency/Non-Profit
@in_loan_purp	char(1)	Loan Purpose - Optional - 1 numeric digit Valid Values: 0 - Loan Purpose not yet collected 1 - Existing Occupied 2 - Finance Improvements 3 - Refinance 4 - New Condominium 5 - Existing Condominium 6 - Existing Never Occupied 7 - Construct New Home 8 - Finance Co-op
@in_b1_name	char(22)	Primary Borrower Name - Must be in Last Name, First Name, Middle Initial format.
@in_b1_ssn	char(9)	Primary Borrower SSN - 9 numeric digits.
@in_b1_race	char(1)	Primary Borrower Race - Optional - 1 numeric digit. Valid Values are: 0 - N/A 1 - White: Non-Hispanic 2 - Black: Non-Hispanic 3 - US Indian/Native Alaskan 4 - Asian/Pacific Islander 5 - Hispanic 6 - Other 9 - Undisclosed
@in_b1_sex	char(1)	Primary Borrower Sex - Optional - 1 numeric digit Valid Values are: 0 - N/A 1 - Male 2 - Female

<u>Parameter Name</u>	<u>Size</u>	<u>Description</u>
@in_b2_name	char(22)	First Coborrower Name - Must be in Last Name, First Name, Middle Initial format.
@in_b2_ssn	char(9)	First Coborrower SSN - 9 numeric digits.
@in_b2_race	char(1)	First Coborrower Race - Optional - 1 numeric digit. Valid Values are: 0 - N/A 1 - White: Non-Hispanic 2 - Black: Non-Hispanic 3 - US Indian/Native Alaskan 4 - Asian/Pacific Islander 5 - Hispanic 6 - Other 9 - Undisclosed
@in_b2_sex	char(1)	First Coborrower Sex - Optional - 1 numeric digit. Valid Values are: 0 - N/A 1 - Male 2 - Female
@in_b3_name	char(22)	Second Coborrower Name - Must be in Last Name, First Name, Middle Initial format.
@in_b3_ssn	char(9)	Second Coborrower SSN - 9 numeric digits.
@in_fthb	char(1)	First Time Homebuyer - Optional Valid Values - (Y)es/(N)o.
@in_counsel	char(1)	Counsel Type - Optional Valid Values: Space - N/A A - Not Counseled B - Counseled by Lender C - Counseled by Third Party
@in_ssn_exempt	char(1)	SSN Exempt - Optional (dependent on Borrower Type). Valid Values - (Y)es/(N)o/Space
@in_hse_no	char(7)	House Number - Optional
@in_unit	char(6)	House Number Suffix - Optional
@in_pre	char(2)	Pre Direction - Optional Valid Values: N, NE, E, SE, S, SW, W, NW
@in_street	char(20)	Street Name - Required for Construction Code 2 and 4; otherwise blank.
@in_type	char(4)	Street Type - Optional
@in_post	char(2)	Post Direction - Optional Valid Values: N, NE, E, SE, S, SW, W, NW, EX
@in_lot	char(4)	Lot - Optional - May not be entered for Construction Code 2 and 4 and Endorsed Cases.

<u>Parameter Name</u>	<u>Size</u>	<u>Description</u>
@in_blk_plat	char(5)	Block/Plat - Optional - May not be entered for Construction Code 2 and 4 and Endorsed Cases.
@in_city	char(17)	City Name - Optional - Must be entered if Zip Code spans multiple cities.
@in_state	char(2)	State Code
@in_zip	char(9)	Zip Code - 9 numeric digits - Required May by Changed
@in_county	char(3)	County Code - Optional - Must be entered if Zip Code spans multiple counties
@in_subdiv_ind	char(1)	PUD/Condo Indicator - Optional Valid Values: Space - N/A S - Subdivision P - PUD C - Condominium
@in_spc_id	char(9)	PUD/Condo ID - Optional
@in_phase	char(3)	Phase of PUD/Condo ID - Optional
@in_spot_lot	char(1)	Spot Lot Indicator - Optional Valid Values: Space - N/A Y - is a Spot Lot N - Not a Spot Lot
@in_browser	char(40)	Browser Description String - Optional Could be used to identify RPC Caller.
@in_mode_flag	char(1)	Processing Mode - Required Valid Values: C - Get data from CHUMS database for entered Case Number E - Edit data
@in_b1_ssn_st	char(1)	Indicates if Primary Borrower SSN is (S)SN or (T)IN. Valid values are S, T, or SPACE.
@in_b2_ssn_st	char(1)	Indicates if First Coborrower SSN is (S)SN or (T)IN. Valid values are S, T, or SPACE.
@in_b3_ssn_st	char(1)	Indicates if Second Coborrower SSN is (S)SN or (T)IN. Valid values are S, T, or SPACE.
@in_addr_stat	char(1)	Status of Address Validation Valid values are: Y - Address Validated N - Address could not be validated O - Address validation overridden

Note: @in_loan_purp, @in_borr_type, @in_b1_race, @in_b1_sex, @in_b2_race, @in_b2_sex are collected only when the case has been processed far enough in CHUMS. For DE (@in_case_tp = 5) Cases, this is when Insuring Data has been entered and after the case is endorsed.

Description of Result Table:

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
SIGNON_ID	char(6)	Value of @in_signon
CASE_NO	char(10)	Case Number - Value of @in_case_no
CASE_TP	char(1)	Case Type - Value of @in_case_tp
CONSTN_CD	char(1)	Construction Code - Value of @in_constn_cd
PROC_TP	char(1)	Processing Type - Value of @in_proc_tp
ADP_CD	char(3)	ADP Code - Value of @in_adp_cd
PROG_ID	char(2)	Program ID - Value of @in_prog_id
LOAN_PURP	char(1)	Loan Purpose - Value of @in_loan_purp
BORR_TP	char(1)	Borrower Type - Value of @in_borr_tp
LIV_UNITS	char(2)	Living Units - Value of @in_liv_units
B1_NAME	char(22)	Primary Borrower Name - Value of @in_b1_name
B1_SSN	char(1)	Indicates if Primary Borrower SSN is (S)SN or (T)IN - Value of @in_b1_ssn_st
B1_SSN_ST	char(9)	Primary Borrower SSN - Value of @in_b1_ssn
B1_RACE	char(1)	Primary Borrower Race - Value of @in_b1_race
B1_SEX	char(1)	Primary Borrower Sex - Value of @in_b1_sex
B2_NAME	char(22)	First CoBorrower Name - Value of @in_b2_name
B2_SSN_ST	char(1)	Indicates if First CoBorrower SSN is (S)SN or (T)IN - Value of @in_b2_ssn_st
B2_SSN	char(9)	First CoBorrower SSN - Value of @in_b2_ssn
B2_RACE	char(1)	First CoBorrower Race - Value of @in_b2_race
B2_SEX	char(1)	First CoBorrower Sex - Value of @in_b2_sex
B3_NAME	char(22)	Second CoBorrower Name - Value of @in_b3_name
B3_SSN_ST	char(1)	Indicates if Second CoBorrower SSN is (S)SN or (T)IN - Value of @in_b3_ssn_st
B3_SSN	char(9)	Second CoBorrower SSN - Value of @in_b3_ssn
B3_RACE	char(1)	Second CoBorrower Race
B3_SEX	char(1)	Second CoBorrower Sex
FTHB	char(1)	First Time Homebuyer - Value of @in_fthb
SSN_EXEMPT	char(1)	SSN Exempt Indicator - Value of @in_ssn_exempt
COUNSEL	char(1)	Counsel Type - Value of @in_counsel
HSE_NO	char(7)	House Number - Value of @in_hse_no
UNIT	char(6)	House Number Suffix - Value of @in_unit
PRE	char(2)	Pre Direction - Value of @in_pre
STREET	char(20)	Street Name - Value of @in_street
TYPE	char(4)	Street Type - Value of @in_type

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
POST	char(2)	Post Direction - Value of @in_post
LOT	char(4)	Lot - Value of @in_lot
BLK_PLAT	char(5)	Block/Plat - Value of @in_blk_plat
CITY	char(17)	City Name - Value of @in_city
STATE	char(2)	State Code - Value of @in_state
ZIP	char(9)	Zip Code - Value of @in_zip
COUNTY	char(3)	County Code - Value of @in_county
ADDR_STAT	char(1)	Status of Address Validation
SPC_IND	char(1)	PUD/Condo Ind - Value of @in_spc_ind
SUBDIV_ID	char(9)	PUD/ Condo ID - Value of @in_spc_id
PHASE	char(3)	Phase - Value of @in_phase
SPOT_LOT	char(1)	Spot Lot - Value of @in_spot_lot
MODE_FLAG	char(1)	Mode Flag - Value of @in_mode_flag
BROWSER	char(40)	Browser Text - Value of @in_browser
STATUS_MSG	char(75)	Message detailing if request was successful
STATUS_FLAG	char(1)	Field to show general status of the entire request. If "Y" then request is in error; "W" says only warning detected; "N" says no errors or warnings detected.
SIGNON_ID_FLAG	char(1)	Field to show if @in_signon_id is in error. If "Y" then field is in error; "N" says field is valid.
CASE_NO_FLAG	char(1)	Field to show if @in_case_no is in error. If "Y" then field is in error; "N" says field is valid.
CASE_TP_FLAG	char(1)	Field to show if @in_case_tp is in error. If "Y" then field is in error; "N" says field is valid.
CONSTN_CD_FLAG	char(1)	Field to show if @in_constn_cd is in error. If "Y" then field is in error; "N" says field is valid.
PROC_TP_FLAG	char(1)	Field to show if @in_proc_tp is in error. If "Y" then field is in error; "N" says field is valid.
ADP_CD_FLAG	char(1)	Field to show if @in_adp_cd is in error. If "P" field is displayed but no changes are permitted; "Y" then field is in error; "N" says field is valid.
PROG_ID_FLAG	char(1)	Field to show if @in_prog_id is in error. If "P" field is displayed but no changes are permitted; "Y" then field is in error; "N" says field is valid.
LOAN_PURP_FLAG	char(1)	Field to show if @in_loan_purp is in error. If "H" field is Hidden and not collected; "P" field is Displayed but no changes are permitted; "Y" then the field is in error; "N" says field is valid.

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
BORR_TP_FLAG	char(1)	Field to show if @in_borr_tp is in error. If "H" field is Hidden and not collected; "P" field is Displayed but no changes are permitted; "Y" then the field is in error; "N" says field is valid.
LIV_UNITS_FLAG	char(1)	Field to show if @in_liv_units is in error. If "P" field is displayed but no changes are permitted; "Y" then field is in error; "N" says field is valid.

Note: If HECM Case (TYPE_OF_CASE = "H") and all three borrower names (B1_NAME, B2_NAME and B3_NAME are blank) then hide all Borrower related (NAME, SSN, RACE and SEX) fields for all three borrowers.

Note: If HECM Case and one of the Borrower Names is blank, then fields for that borrower are hidden from user view. (This is valid for each of the three borrower names)

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
B1_NAME_FLAG	char(1)	Field to show if @in_b1_name is in error. If "Y" then field is in error; "N" says field is valid.
B1_SSN_ST_FLAG	char(1)	Field to show if @in_b1_ssn_st is in error. If "Y" then field is in error, "N" or SPACE says field is valid.
B1_SSN_FLAG	char(1)	Field to show if @in_b1_ssn is in error. If "Y" then field is in error; "W" says warning detected; "N" says field is valid.

Note: B1_RACE and B1_SEX are only shown if field RSI_IND = "Y"; otherwise, they are hidden from user view.

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
B1_RACE_FLAG	char(1)	Field to show if @in_b1_race is in error. If "Y" then field is in error; "N" says field is valid.
B1_SEX_FLAG	char(1)	Field to show if @in_b1_sex is in error. If "Y" then field is in error; "N" says field is valid.
B2_NAME_FLAG	char(1)	Field to show if @in_b2_name is in error. If "Y" then field is in error; "N" says field is valid.
B2_SSN_ST_FLAG	char(1)	Field to show if @in_b2_ssn_st is in error. If "Y" then field is in error, "N" or SPACE says field is valid.
B2_SSN_FLAG	char(1)	Field to show if @in_b2_ssn is in error. If "Y" then field is in error; "W" says warning detected; "N" says field is valid.

Note: B2_RACE and B2_SEX are only shown if field RSI_IND = "Y"; otherwise, they are hidden from user view.

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
B2_RACE_FLAG	char(1)	Field to show if @in_b2_race is in error. If "Y" then field is in error; "N" says field is valid.
B2_SEX_FLAG	char(1)	Field to show if @in_b2_sex is in error. If "Y" then field is in error; "N" says field is valid.
B3_NAME_FLAG	char(1)	Field to show if @in_b3_name is in error. If "Y" then field is in error; "N" says field is valid.
B3_SSN_ST_FLAG	char(1)	Field to show if @in_b3_ssn_st is in error. If "Y" then field is in error, "N" or SPACE says field is valid.
B3_SSN_FLAG	char(1)	Field to show if @in_b3_ssn is in error. If "Y" then field is in error; "W" says warning detected; "N" says field is valid.
B3_RACE_FLAG	char(1)	Field to show if @in_b3_race is in error. If "Y" then field is in error; "N" says field is valid.
B3_SEX_FLAG	char(1)	Field to show if @in_b3_sex is in error. If "Y" then field is in error; "N" says field is valid.
FTHB_FLAG	char(1)	Field to show if @in_fthb is in error. If "H" then field is hidden from user view; "P" says field is displayed and protected from user update; "Y" says field is in error; "N" says field is valid
SSN_EXEMPT_FLAG	char(1)	Field to show if @in_ssn_exempt is in error. If "H" then field is hidden from user view; "P" says field is displayed and protected from user update; "Y" says field is in error; "N" says field is valid.
COUNSEL_FLAG	char(1)	Field to show if @in_counsel is in error. If "H" then field is hidden from user view; "P" says field is displayed and protected from user update; "Y" says field is in error; "N" says field is valid.
HSE_NO_FLAG	char(1)	Field to show if @in_hse_no is in error. If "Y" then the field is in error; "N" says field is valid.
UNIT_FLAG	char(1)	Field to show if @in_unit is in error. If "Y" then the field is in error; "N" says field is valid.
PRE_FLAG	char(1)	Field to show if @in_pre is in error. If "Y" then the field is in error; "N" says field is valid.
STREET_FLAG	char(1)	Field to show if @in_street is in error. If "Y" then the field is in error; "N" says field is valid.
TYPE_FLAG	char(1)	Field to show if @in_type is in error. If "Y" then the field is in error; "N" says field is valid.
POST_FLAG	char(1)	Field to show if @in_post is in error. If "Y" then the field is in error; "N" says field is valid.
LOT_FLAG	char(1)	Field to show if @in_lot is in error. If "H" then field is hidden from user view; "P" says field is displayed and protected from user update; "Y" then the field is in error; "N" says field is valid.

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
BLK_PLAT_FLAG	char(1)	Field to show if @in_blk_plat is in error. If "H" then field is hidden from user view; "P" says field is displayed and protected from user update; "Y" then the field is in error; "N" says field is valid.
CITY_FLAG	char(1)	Field to show if @in_city is in error. If "Y" then the field is in error; "N" says field is valid.
STATE_FLAG	char(1)	Field to show if @in_state is in error. If "Y" then the field is in error; "N" says field is valid.
ZIP_FLAG	char(1)	Field to show if @in_zip is in error. If "P" then the field is displayed and protected from user update; "Y" says the field is in error; "N" says field is valid.
COUNTY_FLAG	char(1)	Field to show if @in_county is in error. If "Y" then the field is in error; "N" says field is valid.
ADDRSTAT_FLAG	char(1)	Field to show if @in_addr_stat is in error. If "Y" then field is in error; "N" says field is valid.
SPC_IND_FLAG	char(1)	Field to show if @in_spc_ind is in error. If "P" then the field is displayed and protected from user change; if "Y" then the field is in error; "N" says field is valid..
SUBDIV_ID_FLAG	char(1)	Field to show if @in_subdiv_id is in error. If "P" then the field is displayed and protected from user change; if "Y" then the field is in error; "N" says field is valid.
PHASE_FLAG	char(1)	Field to show if @in_phase is in error. If "P" then the field is displayed and protected from user change; if "Y" then the field is in error; "N" says field is valid.
SPOT_LOG_FLAG	char(1)	Field to show if @in_spot_lot is in error. If "P" then the field is displayed and protected from user change; if "Y" then the field is in error; "N" says field is valid.
RSI_IND	char(1)	Race/Sex Fields Flag. If "Y", then show Race and Sex fields; otherwise, hide these fields and do not allow user input.
SUBDIV_NAME	char(30)	Name of PUD/Condo ID (in entered)
TYPE_OF_CASE	char(1)	Type of Case Flag. If "H", then HECM Case; If "M" then MCC Case. This field used to hide certain fields from user view

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
MSG_1	char(78)	These 25 fields will contain all error/warning messages returned by the program.
MSG_2		
MSG_3		
MSG_4		
MSG_5		
MSG_6		
MSG_7		
MSG_8		
MSG_9		
MSG_10		
MSG_11		
MSG_12		
MSG_13		
MSG_14		
MSG_15		
MSG_16		
MSG_17		
MSG_18		
MSG_19		
MSG_20		
MSG_21		
MSG_22		
MSG_23		
MSG_24		
MSG_25		

8. CAIVRS Authorization (sp_f17zrc)

Parameters in positional order:

<u>Parameter Name</u>	<u>Size</u>	<u>Description</u>
@in_user	char(6)	User ID
@in_password	char(8)	User Password
@in_orig	char(10)	Originator ID - 10 numeric characters
@in_ssn1	char(9)	Social Security Number
@in_ssn2	char(9)	Social Security Number(optional)
@in_ssn3	char(9)	Social Security Number(optional)
@in_type1	char(1)	Indicates if first number entered is an (S)SN or (T)IN. Valid Values are: S - SSN T - TIN A - N/A
@in_type2	char(1)	Indicates if second number entered is an (S)SN or (T)IN. Valid Values are: S - SSN T - TIN A - N/A
@in_type3	char(1)	Indicates if third number entered is an (S)SN or (T)IN. Valid Values are: S - SSN T - TIN A - N/A

Description of result table (three rows are returned for each RPC Call):

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
AUTH_CD	char(10)	CAIVRS Authorization Code.
BORR_SSN	char(9)	Value of @ssn1 or @ssn2 or @ssn3.
AGENCY_NAME1	char(25)	Name of Government Agency to whom borrower defaulted.
CASE_NO1	char(10)	Case Number of defaulted loan formatted as 999-99999.
CASE_TP1	char(12)	Case Type of defaulted loan.
PHONE1	char(14)	Phone Number of Government Agency formatted

<u>Field Name</u>	<u>Size</u>	<u>Description</u> as (999) 999-9999.
AGENCY_NAME2	char(25)	Name of Government Agency to whom borrower defaulted.
CASE_NO2	char(10)	Case Number of defaulted loan formatted as 999-99999.
CASE_TP2	char(12)	Case Type of defaulted loan.
PHONE2	char(14)	Phone Number of Government Agency formatted as (999) 999-9999.
AGENCY_NAME3	char(25)	Name of Government Agency to whom borrower defaulted.
CASE_NO3	char(10)	Case Number of defaulted loan formatted as 999-99999.
CASE_TP3	char(12)	Case Type of defaulted loan.
PHONE3	char(14)	Phone Number of Government Agency formatted as (999) 999-9999
AGENCY_NAME4	char(25)	Name of Government Agency to whom borrower defaulted.
CASE_NO4	char(10)	Case Number of defaulted loan formatted as 999-99999.
CASE_TP4	char(12)	Case Type of defaulted loan.
PHONE4	char(14)	Phone Number of Government Agency formatted as (999) 999-9999
AGENCY_NAME5	char(25)	Name of Government Agency to whom borrower defaulted.
CASE_NO5	char(10)	Case Number of defaulted loan formatted as 999-99999.
CASE_TP5	char(12)	Case Type of defaulted loan
PHONE5	char(14)	Phone Number of Government Agency formatted as (999) 999-9999
AGENCY_NAME6	char(25)	Name of Government Agency to whom borrower defaulted.
CASE_NO6	char(10)	Case Number of defaulted loan formatted as 999-99999.
CASE_TP6	char(12)	Case Type of defaulted loan.
PHONE6	char(14)	Phone Number of Government Agency formatted as (999) 999-9999.
AGENCY_NAME7	char(25)	Name of Government Agency to whom borrower defaulted.
CASE_NO7	char(10)	Case Number of defaulted loan formatted as 999-99999.
CASE_TP7	char(12)	Case Type of defaulted loan.
PHONE7	char(14)	Phone Number of Government Agency formatted

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
		as (999) 999-9999.
AGENCY_NAME8	char(25)	Name of Government Agency to whom borrower defaulted.
CASE_NO8	char(10)	Case Number of defaulted loan formatted as 999-99999.
CASE_TP8	char(12)	Case Type of defaulted loan.
PHONE8	char(14)	Phone Number of Government Agency formatted as (999) 999-9999
AGENCY_NAME9	char(25)	Name of Government Agency to whom Case borrower defaulted.
CASE_NO9	char(10)	Number of defaulted loan formatted as 999-99999.
CASE_TP9	char(12)	Case Type of defaulted loan.
PHONE9	char(14)	Phone Number of Government Agency formatted as (999) 999-9999
AGENCY_NAME10	char(25)	Name of Government Agency to whom borrower defaulted.
CASE_NO10	char(10)	Case Number of defaulted loan formatted as 999-99999.
CASE_TP10	char(12)	Case Type of defaulted loan.
PHONE10	char(14)	Phone Number of Government Agency formatted as (999) 999-9999
ERROR_MSG	char(75)	Details error message or warning message.
ERROR_FLAG	char(1)	Flag indicating if the request was successful. If "A" or "Y", the number was not processed due to errors. If "A", the type was entered as N/A when a number was entered. If "Y", the SSN/TIN was in error. If "M", the SSN/TIN number was processed but another SSN/TIN number was not processed due to errors.
SSN_IND	char(1)	Value of @in_type1 or @in_type2 or @in_type3. Indicates if numbers entered are SSNs, TINs or N/A.

9. Case Cancel (sp_f17cdt)

THIS FUNCTION IS NOT SUPPORTED AS OF REVISION OCTOBER 6, 2000.

Parameters in positional order:

<u>Parameter Name</u>	<u>Size</u>	<u>Description</u>
@in_user	char(6)	User ID
@in_password	char(8)	User Password
@in_case_no	char(10)	Case Number - 10 numeric characters
@in_orig	char(10)	Originator ID - 10 numeric characters

Description of result table:

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
USERID	char(6)	Value of @in_user.
CASE_NO	char(11)	Case Number - value of @in_case_no reformatted as 999-9999999.
ORIGINATOR	char(10)	ID of Loan Originator (9999999999).
CASE_FLAG	char(1)	Error Flag to determine if the Case Number is in error. If "Y" then Case Number is in error.
ORIG_FLAG	char(1)	Error Flag to determine if the Originator is in error. If "Y" then Originator is in error.
BORR_NAME	char(22)	Name of Borrower.
PROP_ADRS	char(40)	Complete Property Address (street number, street name, city, state, zip code).
STATUS_MSG	char(78)	Message stating if processing was successful or if an error occurred.
STATUS_FLAG	char(1)	Flag to determine if the request was successful. If "Y" then request was successful.
MSG_1	char(78)	Message detailing why request was unsuccessful.
MSG_2	char(78)	Message detailing why request was unsuccessful if there was more than one reason why the request was unsuccessful.
PROP_FLAG	char(1)	Flag to determine.

10. Case Number Assignment (sp_f17rlc)

Parameters in positional order:

<u>Parameter Name</u>	<u>Size</u>	<u>Description</u>
@in_user	char(6)	User ID - required
@in_password	char(8)	User Password - required
@in_choice	char(1)	Program Mode - required Valid values: A - Add mode (create a new case) C - Change mode (Get data associated with existing case) E - Edit mode (Update an existing case)
@in_case_no	char(10)	Case Number - 10 numeric characters. (Add Mode - blank; Change & Edit Modes - required)
@in_focode	char(4)	Field Office Code - 4 numeric characters (Add mode - required; Change & Edit Modes - blank)
@in_originator	char(10)	Originator - 10 numeric characters (Add mode - required; Change & Edit Modes - blank)
@in_caseref	char(10)	Case Reference - Optional
@in_casetype	char(1)	Case Type (CT) - Required - May be updated Valid Values: 1 - Regular HUD 2 - Irregular HUD 3 - HUD VA/CRV 4 - DE VA/CRV 5 - Regular DE
@in_adpcode	char(3)	ADP Code - 3 numeric characters - Required
@in_cc	char(1)	Construction Code (CC) - 1 numeric character - Required Valid values: 1 - Proposed Construction 2 - Substantial Rehabilitation 3 - Under Construction 4 - Existing Construction
@in_livunits	char(2)	Living Units - 2 numeric characters - Required - Valid values 1 thru 11.
@in_pgmid	char(2)	Program ID - 2 numeric characters – Required.

<u>Parameter Name</u>	<u>Size</u>	<u>Description</u>
@in_procsng	char (1)	Processing Type - 1 numeric character - Optional Valid Values: 0 - No processing type for this case 1 - HECM 3 - Military Sales 4- Secretary-Held Sales
@in_sponsor	char(10)	Sponsor - 10 numeric characters (Add mode - optional; Change & Edit modes - blank)
@in_financing	char(1)	Financing Type - 1 numeric character - Optional (only collected for Case type 2 with processing type 3 or 4) 1 - Private 2 - GNMA 3 - FNMA
@in_prind	char(1)	Type of Case - 1 alphabetic character - Required P - Purchase R - Refinance
@in_priorpd	char(1)	Was case a Prior PD? - 1 alphabetic characters - only send if this is a Purchase Case. Valid values are (Y)es - Property was previously sold as a Property Disposition; (N)o.
@in_priorfha	char(1)	Was the case being refinanced originally financed by FHA? - 1 alphabetic character - only send if this is a Refinance case. Valid values are (Y)es - This case is refinancing a case that was previously financed by FHA and (N)o - case was not previously financed by FHA.
@in_srrefi	char(1)	Type of Streamlined Refinance - 1 alphabetic character. Must be N for Purchase Cases Valid values: S - This case does not require a new appraisal H - This case requires a new appraisal N - Not a streamlined refinance.
@in_prevcase	char(10)	Previous case number - 10 numeric digits - Collect if Prior PD or FHA Refinance; otherwise, zero.
@in_hse_no	char(7)	House Number - Optional. Must be blank if CC = 1 or 3.
@in_suffix	char(6)	Suffix (Additional House Number/Apartment number) - Optional. Must be blank if CC = 1 or 3
@in_pre	char(2)	Pre-direction - Optional - Must be blank if CC = 1 or 3. Value values: N, E, S, W, NE, SE, SW, NW.

<u>Parameter Name</u>	<u>Size</u>	<u>Description</u>
@in_street	char(20)	Name of Street – Required.
@in_type	char(4)	Type of Street - Optional. Must be one of the valid street type values. Must be blank if CC = 1 or 3.
@in_post	char(2)	Post-direction - Optional - Must be blank if CC = 1 or 3. Value values: N, E, S, W, NE, SE, SW, NW, EX.
@in_lot	char(4)	Lot. Allowed if CC = 1 or 3; otherwise, blank.
@in_blkplat	char(5)	Block/Plat. Allowed if CC = 1 or 3; otherwise, blank.
@in_city	char(17)	Name of city. Add mode - optional. Must be entered if Zip codes spans multiple cities.
@in_state	char(2)	State Code. Add mode - optional. Must be a valid state code.
@in_zip_cd	char(9)	Zip code. 9 numeric digits Add mode – Required.
@in_county	char(3)	County Code - 3 numeric digits - optional. Must be entered if county spans Zip codes.
@in_spc_id	char(9)	ID of Subdivision/PUD/ Condominium - 9 alphabetic characters Optional - Must be entered if Property Location is entered and must exist on CHUMS list of Approved Projects.
@in_spc_phase	char(3)	Phase of above ID - 3 alphabetic characters – Optional.
@in_spc_ind	char(1)	Property Location - 1 alphabetic character - Optional - Indicates if Property lies in (S)ubdivision, (P)UD or (C)ondominium. If none of these, send a space.
@in_spot_lot	char(1)	Does Property Lie in Spot Lot - 1 alphabetic character - optional - Valid values are (Y)es, (N)o or space.
@in_moyr_comp	char(8)	Date Construction of Property was completed - 6 numeric characters - Required for CC = 2 or 4; optional for cc=1; otherwise zero; Must be in YYYY MM format.
@in_va_exp_dt	char(6)	Date when VA CRV Certificate Expires - 6 numeric characters - Required for CT 3 or 4; otherwise zero. Must be in YYMMDD format.
@in_va_no	char(9)	VA CRV Certificate Number - 9 alphanumeric characters - Required for CT 3 or 4; otherwise spaces.

<u>Parameter Name</u>	<u>Size</u>	<u>Description</u>
@in_aprsr_choice	char(1)	Type of Appraiser to be assigned - 1 numeric character - Optional. If not entered, must be zero. Valid values: 4 - Manual (only for 203KPD Contract cases) 5 - Lender Select
@in_aprsr_id	char(22)	License ID - 22 alphanumeric characters - Optional (must be entered if Appraiser Choice is entered). State Issued License ID for Appraiser
@in_aprsr_dt	char(6)	Date Appraiser was assigned to perform the appraisal - 6 numeric characters - Optional. Must be entered if Appraisal Choice is entered. Must be in YYMMDD format.
@in_insp_choice	char(1)	Type of Compliance Inspector to be assigned - 1 numeric character - Optional. Must be zero if not entered. May not be entered if CC = 4. Valid Values: 3 - Mortgagee 5 - Lender Select
@in_insp_id	char(4)	CHUMS Assigned ID for the Compliance Inspector - 4 alphanumeric characters - Optional. Must be entered if Inspector Choice is entered.
@in_borr1_name	char(22)	Name of Primary Borrower - 22 alphanumeric characters - Optional. Must be in Last Name, First Name MI format.
@in_borr1_ssn	char(9)	SSN of Primary Borrower - 9 numeric characters - Optional
@in_borr2_name	char(22)	Name of First Coborrower - (same rules as for Primary Borrower Name)
@in_borr2_ssn	char(9)	SSN of First Coborrower - (same rules as for Primary Borrower SSN)
@in_borr3_name	char(22)	Name of Second Coborrower (same rules as for Primary Borrower Name)
@in_borr3_ssn	char(9)	SSN for Second Coborrower (same rules as for Primary Borrower SSN)
@in_clsg_dt	char(6)	Projected Closing date of new case - 6 numeric characters - Enter for FHA Refinances only - Must be in YYMMDD format
@in_ct_name	char(22)	Lender's Contact Name - 22 Alphabetic characters - Enter for FHA Refinances only; otherwise blank.
@in_ct_phone	char(10)	Lender's Contact Phone - 10 numeric characters - Enter for FHA Refinances only; otherwise zero. Must be sent in Area Code (3 numeric characters) then phone number (7 numeric characters)

<u>Parameter Name</u>	<u>Size</u>	<u>Description</u>
@in_notes1	char(75)	Lender Notes - 2 lines of 75
@in_notes2	char(75)	alphanumeric characters - Optional - Free format. Used to record information about the case. Not stored with the case; only used during the process of issuing the case number.
@in_borr1_ssn_st	char(1)	Indicates if Primary Borrower SSN is (S)SN or (T)IN. Valid values are S, T, or SPACE.
@in_borr2_ssn_st	char(1)	Indicates if First Coborrower SSN is (S)SN or (T)IN. Valid values are S, T, or SPACE.
@in_borr3_ssn_st	char(1)	Indicates if Second Coborrower SSN is (S)SN or (T)IN. Valid values are S, T, or SPACE.
@in_addr_stat	char(1)	Status of address validation. Valid values are: Y – Address validated N – Address could not be validated O – Address validation overridden
@in_consult_id	char(5)	203k consultant ID

All Property Address fields (House Number thru County Code) and all Borrower Information (All three Borrower Names with their SSNs) are only collected during Add mode (creation of the case number). You may not updated any of these fields in Change/Edit modes. Use Borrower/Address Change to update Address and Borrower Information.

Description of result table:

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
CHOICE	char(1)	Value of @in_choice
CASE_NO	char(11)	Case Number - format 999-9999999 Add mode - Generated by program Change/Edit Mode - value of @in_case_no.
FO_CODE	char(4)	Field Office Code Add mode - value of @in_focode Change/Edit Mode - Generated by program.
ORIGINATOR	char(10)	Originator ID Add mode - value of @in_originator Change/Edit mode - Generated by program.
CASE_REF	char(10)	Case Reference Add mode- value of @in_caseref Change/Edit mode- Generated by program.
CASE_TYPE	char(1)	Case Type (CT) Add mode - value of @in_casetype Change/Edit mode - Generated by program.

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
ADP_CODE	char(3)	ADP Code Add mode - value of @in_adpcode Change/Edit mode - Generated by program.
CONSTN_CODE	char(1)	Construction Code (CC) Add mode - value of @in_cc Change/Edit mode - Generated by program.
LIV_UNITS	char(2)	Living Units Add mode - value of @in_livunits Change/Edit mode - Generated by program.
PGM_ID	char(2)	Program ID Add mode - value of @in_pgmid Change/Edit mode - Generated by program.
PROCSNG	char(1)	Processing Type Add mode - value of @in_procsng Change/Edit mode - Generated by program.
SPONSOR	char(10)	Sponsor/Agent ID Add mode - value of @in_sponsor Change/Edit mode - Generated by program.
FINANCING	char(1)	Financing Type Add mode- value of @in_financing Change/Edit mode - Generated by program.
PR_IND	char(1)	Purchase/Refinance Indicator Add mode - value of @in_prind Change/Edit mode - Generated by program.
PRIOR_PD	char(1)	Prior PD Indicator Add mode - value of @in_priorpd Change/Edit mode - Generated by program.
PRIOR_FHA	char(1)	Prior FHA Indicator Add mode - value of @in_priorfha Change/Edit mode - Generated by program.
SR_REFI	char(1)	Streamlined Refinance Indicator Add mode - value of @in_srrefi Change/Edit mode - Generated by program.
PREV_CASE	char(11)	Previous Case Number - format 999-9999999. Add mode - value of @in_prevcase Change/Edit mode - Generated by program.
CONSULT_ID	char(5)	203k Consultant ID
HSE_NO	char(7)	House Number Add mode - value of @in_hse_no Change/Edit mode - Generated by program.

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
SUFFIX	char(6)	House Number Suffix Add mode - value of @in_suffix Change/Edit mode - Generated by program.
PRE_DIR	char(2)	Pre-direction Add mode - value of @in_pre Change/Edit mode - Generated by program.
STREET	char(20)	Street Name Add mode - value of @in_street Change/Edit mode - Generated by program.
TYPE	char(4)	Street Type Add mode - value of @in_type Change/Edit mode - Generated by program.
POST	char(2)	Post Direction Add mode - value of @in_post Change/Edit mode - Generated by program.
LOT	char(4)	Lot Add mode - value of @in_lot Change/Edit mode - Generated by program.
BLK_PLAT	char(5)	Block/Plat Add mode - value of @in_blkplat Change/Edit mode - Generated by program.
CITY	char(17)	City Add mode - value of @in_city (if entered); otherwise, generated by program. Change/Edit mode - Generated by program.
STATE	char(2)	State Code Add mode - value of @in_state (if entered); otherwise, generated by program. Change/Edit mode - Generated by program.
ZIP	char(10)	Zip Code - format 99999-9999. Add mode - value of @in_zip_cd Change/Edit mode - Generated by program.
COUNTY	char(3)	County Code Add mode - value of @in_county (if entered); otherwise, generated by program Change/Edit mode - Generated by program.
SPC_ID	char(9)	Subdiv/PUD/Condo ID. Add mode - value of @in_spc_id Change/Edit mode - Generated by program.
SPC_PHASE	char(3)	Phase of above (SPC_ID) project. Add mode - value of @in_spc_phase Change/Edit mode - Generated by program.

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
SPC_IND	char(1)	Subdiv/PUD/Condo Indicator. Add mode - value of @in_spc_ind Change/Edit mode - Generated by program.
SPOT_LOT	char(1)	Spot Lot Indicator. Add mode - value of @in_spot_lot Change/Edit mode - Generated by program.
MOYR_COMP	char(7)	Month/Year Completed - format MM/YYYY. Add mode - value of @in_moyr_comp Change/Edit mode - Generated by program.
VA_EXP	char(8)	VA CRV Expiration Date - format MM/DD/YY. Add mode - value of @in_va_exp_dt. Change/Edit mode - Generated by program.
VA_NO	char(9)	VA CRV Number. Add mode - value of @in_va_no Change/Edit mode - Generated by program.
APRSR_TYPE	char(1)	Appraiser Assignment Choice. Add mode - value of @in_aprsr_choice Change/Edit mode - Generated by program.
APRSR_ID	char(22)	Appraiser License ID Add mode - value of @in_aprsr_id Change/Edit mode - Generated by program.
APRSR_DT	char(8)	Appraiser Assignment Date - format MM/DD/YY. Add mode - value of @in_aprsr_dt Change/Edit mode - Generated by program.
INSP_TYPE	char(1)	Compliance Inspector Assignment Choice Add mode - value of @in_insp_choice Change/Edit mode - Generated by program.
INSP_ID	char(4)	Compliance Inspector ID Add mode - value of @in_insp_id Change/Edit mode - Generated by program.
B1_NAME	char(22)	Primary Borrower Name Add mode - value of @in_borr1_name Change/Edit mode - Generated by program.
B2_NAME	char(22)	First Coborrower Name Add mode - value of @in_borr2_name Change/Edit mode - Generated by program.
B3_NAME	char(22)	Second Coborrower Name Add mode - value of @in_borr3_name Change/Edit mode - Generated by program.
B1_SSN_ST	char(1)	Indicates if Primary Borrower SSN is (S)SN or (T)IN. Add mode-value of @in_borr1_ssn_st Change/Edit mode - Generated by program.

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
B2_SSN_ST	char(1)	Indicates if First CoBorrower SSN is (S)SN or (T)IN. Add mode-value of @in_borr2_ssn_st Change/Edit mode - Generated by program.
B3_SSN_ST	char(1)	Indicates if Second CoBorrower SSN is (S)SN or (T)IN. Add mode-value of @in_borr3_ssn_st Change/Edit mode - Generated by program.
B1_SSN	char(12)	Primary Borrower SSN - format 999-99-9999. Add mode - value of @in_borr1_ssn Change/Edit mode - Generated by program.
B2_SSN	char(12)	First Coborrower SSN - format 999-99-9999. Add mode - value of @in_borr2_ssn Change/Edit mode - Generated by program.
B3_SSN	char(12)	Second Coborrower SSN - format 999-99-9999. Add mode - value of @in_borr3_ssn Change/Edit mode - Generated by program.
CLSG_DT	char(8)	Projected Closing Date - format MM/DD/YY. All modes- value of @in_clsg_dt.
CT_NAME	char(22)	Contact Name. All modes: value of @in_ct_name.
CT_PHONE	char(14)	Contact Phone - format (999) 999-9999. All modes: value of @in_ct_phone.
STATUS_MSG	char(78)	Message detailing if request was successful.
CHOICE_FLAG	char(1)	Flag to show if @in_choice is in error. If "Y" then field is in error; "N" says field is valid.
CASENO_FLAG	char(1)	Flag to show if @in_caseno is in error. If "Y" then field is in error; "N" says field is valid.
FOCODE_FLAG	char(1)	Flag to show if @in_focode is in error. If "Y" then field is in error; "N" says field is valid.
ORIG_FLAG	char(1)	Field to show if @in_originator is in error. If "Y" then field is in error; "W" says warning; "N" says field is valid.
CASEREF_FLAG	char(1)	Field to show if @in_caseref is in error. If "Y" then field is in error; "N" says field is valid.
CT_FLAG	char(1)	Field to show if @in_casetype is in error. If "Y" then field is in error; "N" says field is valid.
ADP_FLAG	char(1)	Field to show if @in_adpcode is in error. If "Y" then field is in error; "N" says field is valid.
CC_FLAG	char(1)	Field to show if @in_cc is in error. If "Y" then field is in error; "N" says field is valid.
LU_FLAG	char(1)	Field to show is @in_livunits is in error. If "Y" then field is in error; "N" says field is valid.

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
PGMID_FLAG	char(1)	Field to show if @in_pgmid is in error. If "Y" or "M" then field is in error; "N" says field is valid.
PT_FLAG	char(1)	Field to show if @in_procsng is in error. If "Y" then field is in error; "N" says field is valid.
SPNSR_FLAG	char(1)	Field to show if @in_sponsor is in error. If "Y" then field is in error; "N" says field is valid.
FT_FLAG	char(1)	Field to show if @in_financing is in error. If "Y" then field is in error; "N" says field is valid.
PRIND_FLAG	char(1)	Field to show if @in_prind is in error. If "Y" then field is in error; "N" says field is valid.
PPD_FLAG	char(1)	Field to show if @in_priorpd is in error. If "Y" then field is in error; "N" says field is valid.
PRIOR_FLAG	char(1)	Field to show if @in_priorfha is in error. If "Y" then field is in error; "N" says field is valid.
SR_FLAG	char(1)	Field to show if @in_srrefi is in error. If "Y" then field is in error; "N" says field is valid.
PCN_FLAG	char(1)	Field to show if @in_prevcase is in error. If "Y" then field is in error; "W" says warning; "N" says field is valid.
CONSULT_FLAG	char(1)	Field to show if @in_consult_id is in error. If "Y" then field is in error; "N" says field is valid.
HSE_NO_FLAG	char(1)	Field to show if @in_hse_no is in error. If "Y" then field is in error; "N" says field is valid.
SUFFIX_FLAG	char(1)	Field to show if @in_suffix is in error. If "Y" then field is in error; "N" says field is valid.
PRE_FLAG	char(1)	Field to show if @in_pre is in error. If "Y" then field is in error; "N" says field is valid.
STREET_FLAG	char(1)	Field to show if @in_street is in error. If "Y" then field is in error; "N" says field is valid.
TYPE_FLAG	char(1)	Field to show if @in_type is in error. If "Y" then field is in error; "N" says field is valid.
POST_FLAG	char(1)	Field to show if @in_post is in error. If "Y" then field is in error; "N" says field is valid.
LOT_FLAG	char(1)	Field to show if @in_lot is in error. If "Y" then field is in error; "N" says field is valid.
BLK_FLAG	char(1)	Field to show if @in_blkplat is in error. If "Y" then field is in error; "N" says field is valid.
CITY_FLAG	char(1)	Field to show if @in_city is in error. If "Y" then field is in error; "N" says field is valid.

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
STATE_FLAG	char(1)	Field to show if @in_state is in error. If "Y" then field is in error; "N" says field is valid.
ZIP_FLAG	char(1)	Field to show if @in_zip_cd is in error. If "Y" then field is in error; "W" says warning; "N" says field is valid.
COUNTY_FLAG	char(1)	Field to show if @in_county is in error. If "Y" then field is in error; "N" says field is valid.
SPCID_FLAG	char(1)	Field to show if @in_spc_id is in error. If "Y" then field is in error; "W" says warning; "N" says field is valid.
PHASE_FLAG	char(1)	Field to show if @in_spc_phase is in error. If "Y" then field is in error; "W" says warning; "N" says field is valid.
SPCIND_FLAG	char(1)	Field to show if @in_spc_ind is in error. If "Y" then field is in error; "N" says field is valid.
SPOT_FLAG	char(1)	Field to show if @in_spot_lot is in error. If "Y" then field is in error; "N" says field is valid.
MOYR_FLAG	char(1)	Field to show if @in_moyr_comp is in error. If "Y" then field is in error; "N" says field is valid.
VAEXP_FLAG	char(1)	Field to show if @in_va_exp_dt is in error. If "Y" then field is in error; "N" says field is valid.
VANO_FLAG	char(1)	Field to show if @in_va_no is in error. If "Y" then field is in error; "N" says field is valid.
APRSRT_FLAG	char(1)	Field to show if @in_aprsr_choice is in error. If "Y" then field is in error; "N" says field is valid.
APRSRI_FLAG	char(1)	Field to show if @in_aprsr_id is in error. If "Y" then field is in error; "W" says warning; "N" says field is valid.
INSPT_FLAG	char(1)	Field to show if @in_insp_choice is in error. If "Y" then field is in error; "N" says field is valid.
INSPI_FLAG	char(1)	Field to show if @in_insp_id is in error. If "Y" then field is in error; "W" says warning; "N" says field is valid.
B1NAME_FLAG	char(1)	Field to show if @in_borr1_name is in error. If "Y" then field is in error; "N" says field is valid.
B2NAME_FLAG	char(1)	Field to show if @in_borr2_name is in error. If "Y" then field is in error; "N" says field is valid.
B3NAME_FLAG	char(1)	Field to show if @in_borr3_name is in error. If "Y" then field is in error; "N" says field is valid.

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
B1SSN_ST_FLAG	char(1)	Field to show if @in_borr1_ssn_st is in error. If "Y" then field is in error; "W" says warning; "N" says field is valid.
B2SSN_ST_FLAG	char(1)	Field to show if @in_borr2_ssn_st is in error. If "Y" then field is in error; "N" says field is valid.
B3SSN_ST_FLAG	char(1)	Field to show if @in_borr3_ssn_st is in error. If "Y" then field is in error; "N" says field is valid.
B1SSN_FLAG	char(1)	Field to show if @in_borr1_ssn is in error. If "Y" then field is in error; "N" says field is valid.
B2SSN_FLAG	char(1)	Field to show if @in_borr2_ssn is in error. If "Y" then field is in error; "W" says warning; "N" says field is valid.
B3SSN_FLAG	char(1)	Field to show if @in_borr3_ssn is in error. If "Y" then field is in error; "W" says warning; "N" says field is valid.
CLSGDT_FLAG	char(1)	Field to show if @in_clsg_dt is in error. If "Y" then field is in error; "N" says field is valid.
CTNAME_FLAG	char(1)	Field to show if @in_ct_name is in error. If "Y" then field is in error; "N" says field is valid.
CTPHONE_FLAG	char(1)	Field to show if @in_ct_phone is in error. If "Y" then field is in error; "N" says field is valid.
STATUS_FLAG	char(1)	Flag to show is request is in error. If "E" or "Y" then request is in error; "W" says the request was processed successfully with one or more warnings; "N" says the request was successfully processed with no warnings.
ORIG_NAME	char(30)	Company Name for the Originator ID.
ORIG_ADDR	char(30)	Address of the Originator ID - combines city, state and zip into one field.
ORIG_CITY	char(17)	City Name for Originator
ORIG_STATE	char(2)	State Code for Originator
ORIG_ZIP	char(9)	Zip Code for Originator
SPNSR_NAME	char(30)	Company Name for the Sponsor ID
SPNSR_ADDR	char(30)	Address of the Sponsor ID - combines city, state and zip into one field.
SPNSR_CITY	char(17)	City name for Sponsor/Agent
SPNSR_STATE	char(2)	State Code for Sponsor/Agent
SPNSR_ZIP	char(9)	Zip Code for Sponsor/Agent
SPC_NAME	char(30)	Name of Subdivision/PUD/ Condominium Project

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
INSP_NAME	char(22)	Inspector Name
APRSR_NAME	char(22)	Appraiser Name
CONSULT_NAME	char(22)	Name of 203k Consultant ID
CA1_AUTH	char(10)	CAIVRS Authorization for @in_borr1_ssn
CA1_NAME_1	char(25)	Name of Agency where credit problem 1 for @in_borr1_ssn was reported.
CA1_CASE_1	char (10)	Case number of defaulted loan - format 999-999999
CA1_TYPE_1	char(12)	Type of credit problem.
CA1_PHONE_1	char(14)	Agency phone number - format (999) 999-9999.
CA1_NAME_2	char(25)	Name of Agency where credit problem 2 for @in_borr1_ssn was reported.
CA1_CASE_2	char(10)	Case number of defaulted loan - format 999-999999.
CA1_TYPE_2	char(12)	Type of credit problem.
CA1_PHONE_2	char(14)	Agency phone number - format (999) 999-9999.
CA1_NAME_3	char(25)	Name of Agency where credit problem 3 for @in_borr1_ssn was reported.
CA1_CASE_3	char(10)	Case number of defaulted loan - format 999-999999.
CA1_TYPE_3	char(12)	Type of credit problem.
CA1_PHONE_3	char(14)	Agency phone number - format (999) 999-9999.
CA2_AUTH	char(10)	CAIVRS Authorization for @in_borr2_ssn.
CA2_NAME_1	char(25)	Name of Agency where credit problem 1 for @in_borr2_ssn was reported.
CA2_CASE_1	char(10)	Case number of defaulted loan - format 999-999999.
CA2_TYPE_1	char(12)	Type of credit problem
CA2_PHONE_1	char(14)	Agency phone number - format (999) 999-9999.
CA2_NAME_2	char(25)	Name of Agency where credit problem 2 for @in_borr2_ssn was reported.
CA2_CASE_2	char(10)	Case number of defaulted loan - format 999-999999.
CA2_TYPE_2	char (12)	Type of credit problem.
CA2_PHONE_2	char(14)	Agency phone number - format (999) 999-9999.
CA2_NAME_3	char(25)	Name of Agency where credit problem 3 for @in_borr2_ssn was reported.

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
CA2_CASE_3	char(10)	Case number of defaulted loan - format 999-999999
CA2_TYPE_3	char(12)	Type of credit problem.
CA2_PHONE_3	char(14)	Agency phone number - format (999) 999-9999.
CA3_AUTH	char(10)	CAIVRS Authorization for @in_borr3_ssn.
CA3_NAME_1	char(25)	Name of Agency where credit problem 1 for @in_borr3_ssn was reported.
CA3_CASE_1	char(10)	Case number of defaulted loan - format 999-999999.
CA3_TYPE_1	char(12)	Type of credit problem
CA3_PHONE_1	char(14)	Agency phone number - format (999) 999-9999.
CA3_NAME_2	char(25)	Name of Agency where credit problem 2 for @in_borr3_ssn was reported.
CA3_CASE_2	char(10)	Case number of defaulted loan - format 999-999999.
CA3_TYPE_2	char(12)	Type of credit problem.
CA3_PHONE_2	char(14)	Agency phone number - format (999) 999-9999.
CA3_NAME_3	char(25)	Name of Agency where credit problem 3 for @in_borr3_ssn was reported.
CA3_CASE_3	char(10)	Case number of defaulted loan - format 999-999999.
CA3_TYPE_3	char(12)	Type of credit problem.
CA3_PHONE_3	char(14)	Agency phone number - format (999) 999-9999.
NT_AUTH	char(13)	Refinance Authorization number - generated when Refinance Authorization has been successfully completed.
NT_O_NAME	char(22)	Borrower Name for case being refinanced.
NT_O_ADDRS	char(52)	Address of case being refinanced.
NT_O_TERM	char(3)	Loan term for case being refinanced - 3 numeric characters.
NT_O_MTG	char(10)	Mortgage Amount for case being refinanced - returned as formatted number \$Z,ZZZ,ZZ9.
NT_O_MIP	char(10)	Premium Amount for case being refinanced - returned as formatted number \$ZZ,ZZ9.99.
NT_EXP_DT	char(8)	Expiration date for Netting Authorization. Format MM/DD/YY
NT_O_PVAL	char(10)	Old Property Value – returned as a formatted number \$Z,ZZZ,ZZ9

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
NT_CLSG1	char(5)	Closing Date 1. Format MM/YY
NT_TERM1	char(3)	Loan Period 1. Format ZZ9
NT_FACTOR1	char(6)	MIP Factor 1. Format .99999
NT_UNMIP1	char(10)	Unearned MIP 1. Format \$ZZ,ZZ9.99
NT_MIP1	char(10)	Earned MIP 1. Format \$ZZ,ZZ9.99
NT_CLSG2	char(5)	Closing Date 2. Format MM/YY
NT_TERM2	char(3)	Loan Period 2. Format ZZ9
NT_FACTOR2	char(6)	MIP Factor 2. Format .99999
NT_UNMIP2	char(10)	Unearned MIP 2. Format \$ZZ,ZZ9.99
NT_MIP2	char(10)	Earned MIP 2. Format \$ZZ,ZZ9.99
MSG_1	char(78)	These 25 fields will contain all error/warning messages returned by the program.
MSG_2		
MSG_3		
MSG_4		
MSG_5		
MSG_6		
MSG_7		
MSG_8		
MSG_9		
MSG_10		
MSG_11		
MSG_12		
MSG_13		
MSG_14		
MSG_15		
MSG_16		
MSG_17		
MSG_18		
MSG_19		
MSG_20		
MSG_21		
MSG_22		
MSG_23		
MSG_24		
MSG_25		

11. Case Number Restoration (sp_f17koc)

Parameters in positional order:

<u>Parameter Name</u>	<u>Size</u>	<u>Description</u>
@in_user	char(6)	User ID
@in_password	char(8)	User Password
@in_case_no	char(10)	Case Number

Description of result table:

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
SIGNON_ID	char(6)	Value of @in_user
CASE_NO	char(11)	Case Number - value of @in_case_no reformatted as 999-9999999.
SIGNON_FLAG	char(1)	Field to show if @in_signon_id is in error. If "Y" then field is in error; If "N" then field is valid.
CASE_NO_FLAG	char(1)	Flag indicating if the @in_case_no or transaction caused an error. If "Y", the @in_case_no or transaction was in error. Otherwise, the in_case_no or transaction was not in error.
NEXT_DAY_MESSAGE	char(78)	If no error occurred and the case will be restored, will contain text "Case will be available next business day" as informational message.
STATUS_FLAG	char(1)	Flag indicating if the request was successful. If "E", the request was not processed due to errors If "N" case was processed with no warnings.
STATUS_MSG	char(78)	Message detailing if request was successful.
MSG_1	char(78)	Details error message.
MSG_2	char(78)	Details error message.

12. - -c 0D -0.D 71 Tc 01-c -0.D ET 108.75 0 T8585 0 TParameter

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
MIP_DUE	char(8)	Mortgage Insurance Premium owed (99999.99).
MIP_PAID	char(8)	Mortgage Insurance Premium paid (99999.99).
MIP_DATE	char(8)	Date Mortgage Insurance Premium was paid (MM/DD/YY).
MIP_LATE	char(1)	Flag to determine if a penalty is owed because Mortgage Insurance Premium was late.
LOAN_TERM	char(3)	Term of Loan in months.
MORTGAGE_AMT	char(8)	Mortgage Amount (99999999).
PRIOR_LOAN	char(1)	For Refinance Cases, flag to determine if prior loan closed before July 1, 1991.
CASE_RCVD_DATE	char(8)	Date of Case Number Assignment (MM/DD/YY).
APPR_LOG_DATE	char(8)	Date Appraisal was Logged (MM/DD/YY).
CLSG_PACK_DATE	char(8)	Date Closing Package was Received (MM/DD/YY).
MIC_PRNT_DATE	char(8)	Date Mortgage Insurance Certificate was printed (MM/DD/YY).
PRE_REJECT	char(35)	Pre-processing Reject Text.
UNINS_LOC	char(1)	Flag to determine if case was pre-processing reject because of location. If "Y" then case was pre-processing reject because of location, otherwise it was not.
UNINS_PROP	char(1)	Flag to determine if case was pre-processing reject because of property. If "Y" then case was pre-processing reject because of property, otherwise it was not.
NOR	char(75)	Codes detailing why case is in Notice of Return Status (999,999,999...).
ERROR_MSG	char(75)	Details error message or warning message.
ERROR_FLAG	char(1)	Flag to determine if case number is in error ("Y"), a refinance case ("R"), or a purged case ("P").
NOR_COMMENT_1	char(70)	Freeform Comments about Notice of Return.
NOR_COMMENT_2	char(70)	Freeform Comments about Notice of Return.
ORIGINATOR	char(10)	ID of Loan Originator (9999999999).
MESSAGE	char(70)	Message stating if processing was successful or if an error occurred.
NETTING_AUTH_NO	char(11)	Refinance Authorization Number issued from A43.
ADDRESS_2	char(28)	City, State and Zip Code of Property.
USERID	char(6)	Value of @in_user.
USERID_FLAG	char(1)	Flag to determine if User ID is in error. If "Y" then User ID is in Error.

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
LI_IND	char(1)	Flag to determine if the Case is Lender Insured. If "Y" then case is Lender Insured.
CASE_KEY	char(10)	Case Number retrieved via a search.
S_ADDR	char(20)	Street Address of the Property.
S_ACTION	char(10)	Latest action taken on the case.
MORE_FLAG	char(1)	Flag to indicate if more cases remained to be retrieved.
DB_KEY	char(20)	Database key used to retrieve additional cases from the database.
HSE_NO	char(5)	House Number of the property.
ST_NAME	char(20)	Street Name of the property.
ZIP	char(5)	Zip Code of the property.
L_NAME	char(20)	Last Name of the borrower.
F_NAME	char(12)	First Name of the borrower.
SSN	char(9)	Social Security Number of the borrower.
FLD_OF_C	char(4)	Field Office Code.
FLD_OF_C_FLAG	char(1)	Flag to show if the @in_fld_ofc caused an error. If "Y", @in_fld_ofc was in error. If "N", @in_fld_ofc was not in error.
ERR_MSG1	char(78)	Details error message or warning message.
ERR_MSG2	char(78)	Details error message or warning message.
ERR_MSG3	char(78)	Details error message or warning message.
ERR_MSG4	char(78)	Details error message or warning message.
ERR_MSG5	char(78)	Details error message or warning message.
ERR_MSG6	char(78)	Details error message or warning message.
ERR_MSG7	char(78)	Details error message or warning message.
ERR_MSG8	char(78)	Details error message or warning message.
ERR_MSG9	char(78)	Details error message or warning message.
ERR_MSG10	char(78)	Details error message or warning message.
ERR_MSG11	char(78)	Details error message or warning message.
ERR_MSG12	char(78)	Details error message or warning message.
ERR_MSG13	char(78)	Details error message or warning message.
ERR_MSG14	char(78)	Details error message or warning message.
ERR_MSG15	char(78)	Details error message or warning message.
ERR_MSG16	char(78)	Details error message or warning message.
ERR_MSG17	char(78)	Details error message or warning message.
ERR_MSG18	char(78)	Details error message or warning message.
ERR_MSG19	char(78)	Details error message or warning message.

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
ERR_MSG20	char(78)	Details error message or warning message.
ERR_MSG21	char(78)	Details error message or warning message.
ERR_MSG22	char(78)	Details error message or warning message.
ERR_MSG23	char(78)	Details error message or warning message.
ERR_MSG24	char(78)	Details error message or warning message.
ERR_MSG25	char(78)	Details error message or warning message.
CASE_NO_FLAG	char(1)	Flag to show if the @in_case_no caused an error. If "Y", @in_case_no was in error. If "N", @in_case_no was not in error.
HSE_NO_FLAG	char(1)	Flag to show if the @in_hse_no caused an error. If "Y", @in_hse_no was in error. If "N", @in_hse_no was not in error.
ST_NAME_FLAG	char(1)	Flag to show if the @in_st_name caused an error. If "Y", @in_st_name was in error. If "N", @in_st_name was not in error.
ZIP_FLAG	char(1)	Flag to show if the @in_zip caused an error. If "Y", @in_zip was in error. If "N", @in_zip was not in error.
L_NAME_FLAG	char(1)	Flag to show if the @in_l_name caused an error. If "Y", @in_l_name was in error. If "N", @in_l_name was not in error.
F_NAME_FLAG	char(1)	Flag to show if the @in_f_name caused an error. If "Y", @in_f_name was in error. If "N", @in_f_name was not in error.
SSN_FLAG	char(1)	Flag to show if the @in_ssn caused an error. If "Y", @in_ssn was in error. If "N", @in_ssn was not in error.
REC_TYPE	char(1)	Identifies database record used to retrieve multiple pages of cases from the database.
DB_KEY2	char(20)	Database key used to retrieve additional cases from the database.
TOTAL_CNT	char(4)	Total number of cases to be retrieved via a search.
BEGIN_CNT	char(4)	The beginning count of a group of displayed cases.
END_CNT	char(4)	The end count of a group of displayed cases.
ADP_CD	char(3)	The section of the National Housing Act under which FHA Mortgage Insurance is being applied for.
LENDER_NAME	char(30)	Name of the Lender who is currently holding the case.
TOTAL_PAGE	char(4)	Total number of pages representing the cases retrieved via a search.

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
GOTO_PAGE	char(4)	Represents the page numbers the user wants to go to on the paging function.
BEGIN_PAGE	char(4)	Page number of the retrieved cases currently displayed on the screen.
FC_CODES	char(76)	Firm Commitment condition codes.
FC_C_CODES	char(76)	Firm Commitment condition codes.
FC_COMMENT_1	char(80)	Comments related to Firm Commitment conditions and condition codes.
FC_COMMENT_2	char(80)	Comments related to Firm Commitment conditions and condition codes.
FC_COMMENT_3	char(80)	Comments related to Firm Commitment conditions and condition codes.
FC_COMMENT_4	char(80)	Comments related to Firm Commitment conditions and condition codes.
FC_COMMENT_5	char(80)	Comments related to Firm Commitment conditions and condition codes.
FC_COMMENT_6	char(80)	Comments related to Firm Commitment conditions and condition codes.
FC_COMMENT_7	char(80)	Comments related to Firm Commitment conditions and condition codes.
SPONSOR_ID	char(10)	The ID of Sponsor (9999999999).
SPONSOR_NAME	char(30)	The name of the Sponsor.
APPR_VALUE	char(8)	The appraised value.
OLD_CASE_NO	char(10)	The prior Case Number for a Refi Case.
UNPAID_BALANCE	char(7)	The unpaid principle amount when the value reaches 78%.
FINAL_DT	char(5)	The final bill date.
HECM_FLAG	char(1)	Used to indicate HECM case. If the indicator is a 'Y' then the literal Maximum Claim Amount along with the value contained in the MAX_CLAIM_AMT will be displayed, otherwise the Mortgage Amount literal along with the value contained in the MORTGAGE_AMT will be displayed.
MAX_CLAIM_AMT	char(6)	Maximum claim amount that can be insured or property value, whichever is less.
ADDR_HSE_NO	char(7)	House number of the property.
ADDR_HSE_NO_SUFIX	char(6)	House number suffix of the property.
ADDR_PRE_DIR	char(2)	Prefix directional (N,S,E,W, etc) of the property.
ADDR_ST_NAME	char(20)	Street name of the property.
ADDR_ST_TP	char(4)	Street type (Ct, St, Ave, Blvd, etc.) of the property.
ADDR_POST_DIR	char(2)	Post directional (N, S, E, W, etc.) of the property.

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
ADDR_CITY_NAME	char(17)	City of the property.
ADDR_STE_CD	char(2)	State of the property.
ADDR_CNTY_CD	char(3)	County code of the property.
ADDR_ZIP_CD	char(9)	Zip Code of the property.
ADDR_FORMAT_TP	char(1)	Format type of the property (S for Standard Format or L for Lot Block/Plat).
ADDR_PLAT	char(2)	Plat identifier on which the property resides.
ADDR_BLK	char(3)	Block identifier on the plat on which the property resides.
ADDR_LOT	char(4)	Lot identifier in the block, on the plat on which the property resides.
OLD_PROP_VALUE	char(8)	Old Property Value
CHUMS_CASE_TYPE	char(1)	Case Type

13. Case Transfer (sp_f17bxc)

Parameters in positional order:

<u>Parameter Name</u>	<u>Size</u>	<u>Description</u>
@in_user	char(6)	User ID
@in_password	char(8)	User Password
@in_case_no	char(10)	Case Number - 10 numeric characters.
@in_orig	char(10)	Originator ID - 10 numeric characters.
@in_new_orig	char(10)	Originator ID of Lender receiving case.
@in_new_spnsr	char(10)	ID of Sponsor receiving case
@in_asgnmt_date	char(6)	Date loan was assigned to the new Lender MMDDYY.
@in_browser	char(40)	40 alphanumeric characters

Description of result table:

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
SIGNON_ID	char(6)	Value of @in_user
CASE_NUMBER	char(10)	Value of @in_case_no (9999999999)
NEW_ORIGINATOR	char(10)	Value of @in_new_orig (9999999999)
NEW_SPONSOR	char(10)	Value of @in_new_spnsr (9999999999)
ASGNMT_DATE	char(8)	Value of @in_asgnmt_date (MM/DD/YY)
STATUS_MSG	char(75)	Message stating if processing was successful or if an error occurred
STATUS_FLAG	char(1)	Flag to determine if the request was successful. If "Y" then request was successful.
MSG_1	char(78)	Message detailing why request was unsuccessful.
MSG_2	char(78)	Message detailing why request was unsuccessful if there was more than one reason why the request was unsuccessful.
MSG_3	char(78)	Message detailing why request was unsuccessful if there were more than two reasons why the request was unsuccessful.
MSG_4	char(78)	Message detailing why request was unsuccessful if there were more than three reasons why the request was unsuccessful.
MSG_5	char(78)	Message detailing why request was unsuccessful if there were more than four reasons why the request was unsuccessful.
MSG_6	char(78)	Message detailing why request was unsuccessful if there were more than five reasons why the request was unsuccessful.

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
MSG_7	char(78)	Message detailing why request was unsuccessful if there were more than six reasons why the request was unsuccessful.
SIGNON_FLAG	char(1)	Flag to determine if the User Id is in error. If "Y" then the User Id is in error.
CASE_NUM_FLAG	char(1)	Flag to determine if the Case Number is in error. If "Y" then the Case Number is in error.
NEW_ORIG_FLAG	char(1)	Flag to determine if the New Originator is in error. If "Y" then the New Originator is in error.
NEW_SPNSR_FLAG	char(1)	Flag to determine if the New Sponsor is in error. If "Y" then the New Sponsor is in error.
ASGNMT_FLAG	char(1)	Flag to determine if the Assignment Date is in error. If "Y" then the Assignment Date is in error.
ORIG_NAME	char(30)	Name of New Originator
ORIG_ADDR	char(30)	Street Address of New Originator
ORIG_CITY	char(17)	City of New Originator
ORIG_STATE	char(2)	State of New Originator
ORIG_ZIP	char(9)	Zip Code of New Originator
SPNSR_NAME	char(30)	Name of New Sponsor
SPNSR_ADDR	char(30)	Street Address of New Sponsor
SPNSR_CITY	char(17)	City of New Sponsor
SPNSR_STATE	char(2)	State of New Sponsor
SPNSR_ZIP	char(9)	Zip Code of New Sponsor

14. Duplicate MIC (sp_f17knc)

Parameters in positional order:

<u>Parameter</u>	<u>Size</u>	<u>Description</u>
@in_user	char(6)	User ID
@in_password	char(8)	User Password
@in_case_no	char(10)	Case Number - 10 numeric characters
@in_orig	char(10)	Originator ID - 10 numeric characters
@in_rqst_type	char(1)	Request Type: "P": Preview MIC Information "R": Request Official Printed MIC

Description of result table:

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
ORIGINATOR	char(10)	10 Digit ID of Institution requesting Duplicate MIC
CASE_NO	char(11)	Case Number - value of @in_case_no reformatted as 999-9999999 if numeric, otherwise returned as sent
ADP_CODE	char(3)	Three digit code revealing Section of the Act.
AMORT_PLAN	char(1)	One character code revealing mortgage amortization plan.
PROG_ID	char(2)	Two digit code for Program ID
LTV	char(6)	Loan to Value ratio (999.99)
BORR_TYPE	char(1)	Borrower Type: 1 numeric character
LIV_UNITS	char(2)	Number of Living Units
CONTROL_NO	char(10)	MIC Control Number
BORR_NAME1	char(22)	Borrower Name
SSN1	char(11)	Borrower Social Security Number or Tax Identification Number (999-99-9999)
MORT_AMT	char(7)	Mortgage Amount (9999999)
INT_RATE	char(6)	Interest Rate (99.999)
MTHLY_PYMT	char(9)	Monthly payment (999999.99)
BORR_NAME2	char(22)	CoBorrower Name
SSN2	char(11)	CoBorrower Social Security Number (999-99-9999)
MTRTY_DT	char(5)	Loan Maturity Date (MM/YY)
FRST_PYMT	char(5)	First Payment Date (MM/YY)
ENDORSE_DT	char(8)	Endorsement Date (MM/DD/YY)
LONG_ADDRESS	char(64)	Property Street Address

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
INST_ID	char(10)	10 digit ID of Loan Originator (9999999999)
INST_NAME	char(30)	Institution Name of Loan Originator
INST_ATTN	char(30)	Name or Attention Line of Address for Duplicate MIC Requestor
INST_ST_ADRS	char(64)	Address for Duplicate MIC Requestor
LONG_ORIG_CITY	char(64)	City, State, and Zip Code of Duplicate MIC Requestor
ERROR_MSG	char(78)	Details error message or warning message
ERROR_FLAG	char(1)	Flag to determine if request was in error. If "Y" then request was in error.
STATUS_MSG	char(78)	Message stating if processing was successful or if an error occurred.
STATUS_FLAG	char(1)	Flag to determine status of request. If "E", the request was not processed. If "S", the request was processed.
ORIG_MSG	char(78)	Error Message detailing why institution of requestor was not valid
ORIG_ERROR_FLAG	char(1)	Flag to determine if institution of requestor was valid. If "Y", the institution of the requestor was in error.
RIGHT_LIT	char(9)	Literal for Duplicate or Original MIC. Currently, only "DUPLICATE" is returned.
HEADER_MSG	char(72)	Message detailing if case is a HECM or Real Estate Owned (REO). The text is SPACES or "HOME EQUITY CONVERSION MORTGAGE (HECM)" or "*** SEC HELD SALE ***".
HECM_MSG	char(36)	If the case is a HECM, the message containing the maximum claim amount. Otherwise, SPACES are returned.
SIGNON_MSG	char(78)	Error Message detailing why @in_user was not valid.
SIGNON_ERROR	char(1)	Flag to determine if @in_user was valid. If "Y", @in_user is in error. If "N", @in_user is not in error.
REQUEST_TYPE_LIT	char(72)	Request Type Literal
REQUEST_TYPE_MSG	char(78)	Message detailing why request type is invalid.
REQUEST_ERROR	char(1)	Flag to determine if request type is invalid. If "Y", @in_rqst_type is in error. If "N", @in_rqst_type is not in error.
REQUEST_MAIL_MSG	char(78)	If the request was for a printed MIC and the request was successful, the message, "DUPLICATE MIC WILL BE MAILED WHEN PROCESSED" is returned. Otherwise, SPACES are returned.
REQUEST_TYPE_LET	char(1)	Request Type: Echo of @in_rqst_type

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
SSN1_LIT	char(4)	Indicates if Borrower has Tax Identification Number (TIN) or Social Security Number (SSN). Spaces if SSN/TIN is not entered.
SSN2_LIT	char(4)	Indicates if Coborrower has Tax Identification Number (TIN) or Social Security Number (SSN). Spaces if SSN/TIN is not entered.
ADDR_HSE_NO	char(7)	House number of the property.
ADDR_HSE_NO_SUFIX	char(6)	House number suffix of the property.
ADDR_PRE_DIR	char(2)	Directional prefix, e.g., "N ", "SE", of the property.
ADDR_ST_NAME	char(20)	Street name of the property.
ADDR_ST_TP	char(4)	Street type, e.g., "ST", "AVE", of the property.
ADDR_POST_DIR	char(2)	Post directional, e.g., "S ", "NW", of the property.
ADDR_CITY_NAME	char(17)	City name of the property.
ADDR_STE_CD	char(2)	State of the property.
ADDR_CNTY_CD	char(3)	County code of the property.
ADDR_ZIP_CD	char(9)	Zip Code of the property.
ADDR_FORMAT_TP	char(1)	Format type of the property (S: Standard format, L: Lot/Block/Plat format.)
ADDR_PLAT	char(2)	Plat identifier on which the property resides.
ADDR_BLK	char(3)	Block identifier on the plat on which the property resides.
ADDR_LOT	char(4)	Lot identifier in the block, on the plat on which the property resides.
ORIG_CITY	char(17)	City name of the requesting originator.
ORIG_STATE	char(2)	State of the requesting originator.
ORIG_ZIP	char(9)	Zip Code of the requesting originator.

15. HECM Insurance Application (sp_f17evc)

Parameters in positional order:

<u>ParameterName</u>	<u>Size</u>	<u>Description</u>
@in_user	char(6)	User ID
@in_password	char(8)	User Password
@in_mode	char(1)	Request mode: (Q)uery, (U)pdate
@in_case_no	char(10)	FHA Case Number
@in_prop_value	char(6)	Property Value. Must be numeric
@in_monthly_income	char(6)	Monthly Income. Must be numeric and greater than zero.
@in_closing_costs	char(6)	Closing Costs. Must be numeric and greater than zero.
@in_avail_assets	char(6)	Available Assets. Must be numeric.
@in_debts_non_re	char(6)	Total Debts not related to real estate. Must be numeric.
@in_exist_liens	char(6)	Existing Liens. Must be numeric.
@in_re_assets	char(6)	Real Estate Assets. Must be numeric.
@in_re_debts	char(6)	Real estate debts. Must be numeric.
@in_adp_code	char(3)	ADP Code. See Appendix.
@in_program_id	char(2)	Program ID. See Appendix.
@in_living_units	char(2)	Number living units. Valid values are 1 thru 11.
@in_escrow	char(1)	Repair escrow indicator. Valid values are "Y" or "N".
@in_complete_dt	char(4)	Date repairs are to be completed. The field is formatted as mmyy.
@in_amount	char(5)	Amount in escrow for repairs.
@in_borr1_name	char(22)	Primary borrower's name. Formatted as Last, First, Middle Initial.
@in_borr1_ssn	char(9)	Primary borrower's SSN. Must be numeric.
@in_borr1_birth	char(8)	Primary borrower's Birth Date. The field is formatted as mmddccyy.
@in_borr1_race	char(1)	Primary Borrower's Race. Valid values are 0 through 6 and 9.
@in_borr1_sex	char(1)	Primary Borrower's Sex. Valid values are 0 (N/A), 1(male), and 2(female).
@in_borr2_name	char(22)	Coborrower's Name. Formatted as Last, First, Middle Initial.
@in_borr2_ssn	char(9)	Coborrower's SSN. Must be numeric.
@in_borr2_birth	char(8)	Coborrower's Birth Date. The field is formatted as mmddccyy.
@in_borr2_race	char(1)	Coborrower's Race. Valid values are 0 through 6 and 9.
@in_borr2_sex	char(1)	Coborrower's Sex. Valid values are 0 (N/A), 1(male) or and 2(female).

<u>ParameterName</u>	<u>Size</u>	<u>Description</u>
@in_borr3_name	char(22)	Coborrower's Name. Formatted as Last, First, Middle Initial.
@in_borr3_ssn	char(9)	Coborrower's SSN. The field must be numeric and is formatted as 999999999.
@in_borr3_birth	char(8)	Coborrower's Birth Date. The field is formatted as mmddccyy.
@in_borr3_race	char(1)	Coborrower's Race. Valid values are 0 through 6 and 9.
@in_borr3_sex	char(1)	Coborrower's Sex. Valid values are 0 (N/A), 1(male) and 2(female).
@in_children	char(2)	Total Number of borrower(s) children. Valid values are 0 thru 30.
@in_issue_to_spnshr	char(1)	Issue MIC to Sponsor. Valid values are "Y" or "N".
@in_mail_to_spnshr	char(1)	Mail MIC to Sponsor. Valid values are "Y" or "N".
@in_int_rate	char(6)	Interest Rate. The field is formatted as 99.999.
@in_exp_rate	char(6)	Expected Rate. The field is formatted as 99.999.
@in_arm_type	char(1)	ARM. Valid values are N(A), A(nnual) or M(onthly).
@in_cap	char(6)	Maximum Interest Rate. The field is formatted as 99.999.
@in_margin	char(6)	Margin. The field is formatted as 99.999.
@in_pp_tenure	char(1)	Tenure. Valid values are "X" or blank.
@in_pp_term	char(1)	Term. Valid values are "X" or blank.
@in_pp_loc	char(1)	Line of Credit. Valid values are "X" or blank.
@in_length_term	char(3)	Length of Term. The field is formatted as 999.
@in_mip_financed	char(1)	MIP Financed. Valid values are "Y" or "N".
@in_principal_limit	char(6)	Principal Limit. The field is formatted as 99999.
@in_closing_dt	char(6)	Closing Date. The field is formatted as mmddy.
@in_appraiser_id	char(22)	Appraiser Name.
@in_under_id	char(4)	Underwriter ID.
@in_under_dt	char(6)	Underwriter Date. The field is formatted as mmddy.

Description of result table:

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
MODE	char(1)	Return mode: "Q" or "U". If "Q", the output is returned with query only with error messages, if applicable. If "U", the current case data is returned for update.
CASE_NO	char(11)	Case Number - value of @in_case_no reformatted as 999-9999999.

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
CASE_NO_FLAG	char(1)	Flag indicating if the @in_case_no or transaction caused an error. If "Y", the @in_case_no or transaction was in error. Otherwise, the @in_case_no or transaction was not in error.
ORIGINATOR	char(10)	Originator ID associated with case.
ORIGINATOR_FLAG	char(1)	Flag indicating if the Institution ID of the requester is in error. If "Y", the Institution ID of the requester is in error, The most frequent reason is that the Institution ID of the sign-on requester is not associated with the selected case.
STATUS_MSG	char(78)	Message detailing if request was successful or if errors or warnings occurred.
ERR_MSG1	char(78)	Details error or warning message.
ERR_MSG2	char(78)	Details error or warning message.
ERR_MSG3	char(78)	Details error or warning message.
ERR_MSG4	char(78)	Details error or warning message.
ERR_MSG5	char(78)	Details error or warning message.
ERR_MSG6	char(78)	Details error or warning message.
ERR_MSG7	char(78)	Details error or warning message.
ERR_MSG8	char(78)	Details error or warning message.
ERR_MSG9	char(78)	Details error or warning message.
ERR_MSG10	char(78)	Details error or warning message.
ERR_MSG11	char(78)	Details error or warning message.
ERR_MSG12	char(78)	Details error or warning message.
ERR_MSG13	char(78)	Details error or warning message.
ERR_MSG14	char(78)	Details error or warning message.
ERR_MSG15	char(78)	Details error or warning message.
ERR_MSG16	char(78)	Details error or warning message.
ERR_MSG17	char(78)	Details error or warning message.
ERR_MSG18	char(78)	Details error or warning message.
ERR_MSG19	char(78)	Details error or warning message.
ERR_MSG20	char(78)	Details error or warning message.
ERR_MSG21	char(78)	Details error or warning message.
ERR_MSG22	char(78)	Details error or warning message.
ERR_MSG23	char(78)	Details error or warning message.
ERR_MSG24	char(78)	Details error or warning message.
ERR_MSG25	char(78)	Details error or warning message.
PROP_VALUE	char(6)	Property Value. Format 999999.

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
PROP_VALUE_FLAG	char(1)	Flag indicating if the @in_prop_value is in error. If "E", the Property Value has an error. If SPACE, no errors, warnings, or special conditions exist.
MONTHLY_INCOME	char(6)	Monthly Income. Format 999999.
MONTH_INCM_FLAG	char(1)	Flag indicating if the @in_monthly_income is in error. If "E", the Monthly Income has an error. If SPACE, no errors, warnings, or special conditions exist.
CLOSING_COSTS	char(6)	Closing Costs. Format 999999.
CLOSE_COST_FLAG	char(1)	Flag indicating if the @in_closing_costs is in error. If "E", the Closing Costs has an error. If SPACE, no errors, warnings, or special conditions exist.
AVAIL_ASSETS	char(6)	Available Assets. Format 999999.
AVAIL_ASSET_FLAG	char(1)	Flag indicating if @in_avail_assets is in error. If "E", the Available Assets has an error. If SPACE, no errors, warnings, or special conditions exist.
DEBTS_NON_RE	char(6)	Debts (non-Real Estate). Format 999999.
DEBT_NON_RE_FLAG	char(1)	Flag indicating if @in_debts_non_re is in error. If "E", the Debts Non Real Estate has an error. If SPACE, no errors, warnings, or special conditions exist.
EXIST_LIENS	char(6)	Exist Liens. Format 999999.
EXIST_LIEN_FLAG	char(1)	Flag indicating if @in_exist_liens is in error. If "E", the Exist Liens has an error. If SPACE, no errors, warnings or special conditions exist.
RE_ASSETS	char(6)	Real Estate Assets. Format 999999.
RE_ASSETS_FLAG	char(1)	Flag indicating if @in_re_assets is in error. If "E", the Real Estate Assets has an error. If SPACE, no errors, warnings, or special conditions exist.
RE_DEBTS	char(6)	Real Estate Debts. Format 999999.
RE_DEBTS_FLAG	char(1)	Flag indicating if @in_re_debts is in error. If "E", the Real Estate Debts has an error. If SPACE, no errors, warnings, or special conditions exist.
MAX_CLAIM_AMT	char(6)	Max Claim Amount. Format 999999.
MAX_CLAIM_AMT_FL	char(1)	Not Operational.
INIT_MIP_DUE	char(7)	Initial MIP Due. Format 9999.99.
INIT_MIP_DUE_FLG	char(1)	Flag indicating if @in_mip_financed is in error. If "E", the Initial MIP Due has an error. If SPACE, no errors, warnings, or special conditions exist.
ADP_CODE	char(3)	ADP Code.

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
ADP_CODE_FLAG	char(1)	Flag indicating if @in_adp_code is in error. If "E", the ADP Code has an error. If "W", the ADP Code has a warning. If SPACE, no errors, warnings, or special conditions exist.
PROGRAM_ID	char(2)	Program ID.
PROGRAM_ID_FLAG	char(1)	Flag indicating if @in_program_id is in error. If "E", the Program ID has an error. If SPACE, no errors, warnings, or special conditions exist.
LIVING_UNITS	char(2)	Living Units. Format 99.
LIVING_UNIT_FLAG	char(1)	Flag indicating if @in_living_units is in error. If "E", the Living Units has an error. If SPACE, no errors, warnings, or special conditions exist.
ESCROW	char(1)	Repair Required Flag.
ESCROW_FLAG	char(1)	Flag indicating if @in_escrow is in error. If "E", the Escrow has an error. If SPACE, no errors, warnings, or special conditions exist.
COMPLETE_DT	char(4)	Repairs Complete Date reformatted as mm/yy.
COMPLETE_DT_FLAG	char(1)	Flag indicating if @in_complete_dt is in error. If "E", the Complete Date has an error. If SPACE, no errors, warnings, or special conditions exist.
AMOUNT	char(5)	Repair Amount. Format 99999.
AMOUNT_FLAG	char(1)	Flag indicating if @in_amount is in error. If "E", the Amount has an error. If SPACE, no errors, warnings, or special conditions exist.
BORR1_NAME	char(22)	Name of Borrower.
BORR1_NAME_FLAG	char(1)	Flag indicating if @in_borr1_name is in error. If "E", the borrower name has an error. If SPACE, no errors, warnings, or special conditions exist.
BORR1_SSN	char(9)	Borrower SSN reformatted as 999999999.
BORR1_SSN_FLAG	char(1)	Flag indicating if @in_borr1_ssn is in error or has a warning. If "E", the borrower SSN has an error. If "W", the borrower SSN has a warning. If SPACE, no errors, warnings, or special conditions exist.
BORR1_BIRTH	char(8)	Borrower Birth Date reformatted as mmddyyyy.
BORR1_BIRTH_FLAG	char(1)	Flag indicating if @in_borr1_birth is in error. If "E", the borrower birth has an error. If SPACE, no errors, warnings, or special conditions exist.
BORR1_RACE	char(1)	Borrower Race.
BORR1_RACE_FLAG	char(1)	Flag indicating if @in_borr1_race is in error. If "E", the borrower race has an error. If SPACE, no errors, warnings, or special conditions exist.
BORR1_SEX	char(1)	Borrower Sex

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
BORR1_SEX_FLAG	char(1)	Flag indicating if @in_borr1_sex is in error. If "E", the borrower sex has an error. If SPACE, no errors, warnings, or special conditions exist.
BORR2_NAME	char(22)	Coborrower Name.
BORR2_NAME_FLAG	char(1)	Flag indicating if @in_borr2_name is in error. If "E", the coborrower name has an error. If SPACE, no errors, warnings, or special conditions exist.
BORR2_SSN	char(9)	Coborrower SSN reformatted as 999999999.
BORR2_SSN_FLAG	char(1)	Flag indicating if @in_borr2_ssn is in error or has a warning. If "E", the coborrower SSN has an error. If "W", the coborrower SSN has a warning. If SPACE, no errors, warnings, or special conditions exist.
BORR2_BIRTH	char(8)	Coborrower Birth Date reformatted as mmddyyyy.
BORR2_BIRTH_FLAG	char(1)	Flag indicating if @in_borr2_birth is in error. If "E", the coborrower birth date has an error. If SPACE, no errors, warnings, or special conditions exist.
BORR2_RACE	char(1)	Coborrower Race.
BORR2_RACE_FLAG	char(1)	Flag indicating if @in_borr2_race is in error. If "E", the coborrower race has an error. If SPACE, no errors, warnings, or special conditions exist.
BORR2_SEX	char(1)	Coborrower Sex
BORR2_SEX_FLAG	char(1)	Flag indicating if @in_borr2_sex is in error. If "E", the coborrower sex has an error. If SPACE, no errors, warnings, or special conditions exist.
BORR3_NAME	char(22)	Coborrower2 Name.
BORR3_NAME_FLAG	char(1)	Flag indicating if @in_borr3_name is in error. If "E", the coborrower name has an error. If SPACE, no errors, warnings, or special conditions exist.
BORR3_SSN	char(9)	Coborrower2 SSN reformatted as 999999999.
BORR3_SSN_FLAG	char(1)	Flag indicating if @in_borr3_ssn is in error or has a warning. If "E", the coborrower SSN has an error. If "W", the coborrower SSN has a warning. If SPACE, no errors, warnings, or special conditions exist.
BORR3_BIRTH	char(8)	Coborrower2 Birth Date reformatted as mmddyyyy.
BORR3_BIRTH_FLAG	char(1)	Flag indicating if @in_borr3_birth is in error. If "E", the coborrower birth date has an error. If SPACE, no errors, warnings, or special conditions exist.
BORR3_RACE	char(1)	Coborrower2 Race
BORR3_RACE_FLAG	char(1)	Flag indicating if @in_borr3_race is in error. If "E", the coborrower race has an error. If SPACE, no errors, warnings, or special conditions exist.
BORR3_SEX	char(1)	Coborrower2 Sex.

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
BORR3_SEX_FLAG	char(1)	Flag indicating if @in_borr3_sex is in error. If "E", the coborrower sex has an error. If SPACE, no errors, warnings, or special conditions exist.
CHILDREN	char(2)	Number of Children. Format 99.
CHILDREN_FLAG	char(1)	Flag indicating if @in_children is in error. If "E", the number of children has an error. If SPACE, no errors, warnings, or special conditions exist.
SUB_PUD_CON	char(1)	Sub/PUD/Condo Indicator. Output values are S, P, C, or space.
SUBDIV_ID	char(9)	Subdivision, PUD, or Condo ID.
SUBDIV_NAME	char(20)	Subdivision, PUD, or Condo Name
STREET	char(32)	Street Name.
PROP_CSZ	char(32)	City, State, Zip.
PROP_CSZ_FLAG	char(1)	Flag indicating if the address has a warning. If "W", the address was also entered via CLAS and differs from the address on CHUMS. If SPACE, no errors, warning, or special conditions exist.
COUNTY	char(3)	County Code. Format 999.
ORIG_ID	char(10)	Originator ID.
ORIG_ID_FLAG	char(1)	Flag indicating if @in_orig_id is in error or has a warning. If "E", the originator has an error. If "W", the originator has a warning. If SPACE, no errors, warnings, or special conditions exist.
ORIG_NAME	char(22)	Originator Name.
ORIG_NAME_FLAG	char(1)	Not Operational.
SPNSR_ID	char(10)	Sponsor ID.
SPNSR_ID_FLAG	char(1)	Not Operational.
SPNSR_NAME	char(22)	Sponsor's Name..
ISSUE_TO_SPNSR	char(1)	Issue to Sponsor.
ISSUE_SPNSR_FLAG	char(1)	Flag indicating if @in_issue_to_spnsr has an error. If "E", the Issue to Sponsor has an error. If SPACE, no errors, warnings, or special conditions exist.
MAIL_TO_SPNSR	char(1)	Mail to Sponsor.
MAIL_SPNSR_FLAG	char(1)	Flag indicating if @in_mail_to_spnsr has an error. If "E", the Mail to Sponsor has an error. If SPACE, no errors, warnings, or special conditions exist.
INT_RATE	char(6)	Interest Rate (%) reformatted as 99.999.
INT_RATE_FLAG	char(1)	Flag indicating if @in_int_rate is in error. If "E", the Interest Rate has an error. If SPACE, no errors, warnings, or special conditions exist.
EXP_RATE	char(6)	Expected Rate (%) reformatted as 99.999.

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
EXP_RATE_FLAG	char(1)	Flag indicating if @in_exp_rate is in error. If "E", the Expected Interest Rate has an error. If SPACE, no errors, warnings, or special conditions exist.
ARM_TYPE	char(1)	Arm Type
ARM_TYPE_FLAG	char(1)	Flag indicating if @in_arm_type is in error. If "E", the Arm Type is in error. If SPACE, no errors, warnings, or special conditions exist.
CAP	char(6)	Maximum Interest Rate
CAP_FLAG	char(1)	Flag indicating if @in_cap is in error. If "E", the Cap is in error. If SPACE, no errors, warnings, or special conditions exist.
MARGIN	char(6)	Margin
MARGIN_FLAG	char(1)	Flag indicating if @in_margin is in error. If "E", the Margin is in error. If SPACE, no errors, warnings, or special conditions exist.
PP_TENURE	char(1)	Tenure.
PP_TENURE_FLAG	char(1)	Flag indicating if @in_pp_tenure is in error. If "E", the Tenure is in error. If SPACE, no errors, warnings, or special conditions exist.
PP_TERM	char(1)	Term
PP_TERM_FLAG	char(1)	Flag indicating if @in_pp_term is in error. If "E", the Term is in error. If SPACE, no errors, warnings, or special conditions exist.
PP_LOC	char(1)	Line of Credit
PP_LOC_FLAG	char(1)	Flag indicating if @in_pp_loc is in error. If "E", the Line of Credit is in error. If SPACE, no errors, warnings, or special conditions exist.
LENGTH_TERM	char(3)	Length of Term
LENGTH_TERM_FLAG	char(1)	Flag indicating if @in_length_term is in error. If "E", the Length of Term is in error. If SPACE, no errors, warnings, or special conditions exist.
MIP_FINANCED	char(1)	Mip Financed
MIP_FINANCED_FLG	char(1)	Flag indicating if @in_mip_financed is in error. If "E", the MIP Financed is in error. If SPACE, no errors, warnings, or special conditions exist.
PRINCIPAL_LIMIT	char(6)	Principle Limit
PRINCPAL_LMT_FLAG	char(1)	Flag indicating if @in_principal_limit is in error. If "E", the Principal Limit is in error. If SPACE, no errors, warnings, or special conditions exist.
MAX_CLAIM	char(6)	Maximum Claim Amount
CLOSING_DT	char(8)	Closing Date reformatted as mmddyy.

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
CLOSING_DT_FLAG	char(1)	Flag indicating if @in_closing_dt is in error. If "E", the Closing Date is in error. If SPACE, no errors, warnings, or special conditions exist.
REVIEW	char(1)	Review Indicator
REVIEW_FLAG	char(1)	Not Operational
ENDORSE	char(1)	Endorse
ENDORSE_FLAG	char(1)	Not Operational
ENDORSE_DT	char(6)	Endorse Date formatted as mmddyy.
ENDORSE_DT_FLAG	char(1)	Not Operational
ISSUE_ID	char(4)	Issue ID
ISSUE_ID_FLAG	char(1)	Not Operational
APPRAISER_ID	char(22)	Appraiser ID
APPRAISER_ID_FLG	char(1)	Flag indicating if @in_appraiser_id is in error. If "E", the Appraiser ID is in error. If SPACE, no errors, warnings, or special conditions exist.
UNDER_ID	char(4)	Underwriter ID
UNDER_ID_FLAG	char(1)	Flag indicating if @in_under_id is in error. If "E", the Underwriter ID is in error. If SPACE, no errors, warnings, or special conditions exist.
UNDER_NAME	char(22)	Underwriter Name
UNDER_NAME_FLAG	char (1)	Flag indicating if @in_under_name is in error. If "E", the Underwriter Name is in error. If SPACE, no errors, warnings, or special conditions exist.
APPRAISER_NAME	char(22)	Appraiser Name
UNDER_DT	char(6)	Underwriter Date reformatted as mmddyy.
UNDER_DT_FLAG	char(1)	Flag indicating if @in_under_dt is in error. If "E", the Underwriter Date is in error. If SPACE, no errors, warnings, or special conditions exist.
STATUS_FLAG	char(1)	Flag indicating if the request was successful. If "F", the request was not processed due to fatal errors. If "E", the request was processed by non fatal errors were found. If "W", the request was processed but warnings were found. If "N", the request processed with no errors or warnings.
CLAS_DATA	char(1)	"Y" or SPACE, indicates if CLAS data is displayed. If "Y", insurance data has been entered via CLAS. Any field returned with a "W"(arning) flag may have a value different than the CHUMS database.
ADDR_HSE_NO	char(7)	House number of the property.
ADDR_HSE_NO_SUFEX	char(6)	House number suffix of the property.
ADDR_PRE_DIR	char(2)	Directional prefix, e.g., "N", "SE", of the property.
ADDR_ST_NAME	char(20)	Street name of the property.

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
ADDR_ST_TP	char(4)	Street type, e.g., "ST", "AVE", of the property.
ADDR_POST_DIR	char(2)	Post directional, e.g., "S ", "NW", of the property.
ADDR_CITY_NAME	char(17)	City name of the property.
ADDR_STE_CD	char(2)	State of the property.
ADDR_CNTY_CD	char(3)	County code of the property.
ADDR_ZIP_CD	char(9)	Zip Code of the property.
ADDR_FORMAT_TP	char(1)	Format type of the property (S: Standard format, L: Lot/Block/Plat format.)

16. Holds Tracking (sp_f17rqc)

This RPC is called in multiple phases and has a close correlation with the sp_f17rlc RPC.

In Phase 1:

- ◆ Must query by @in_street, @in_lastname, @in_sel_status.
- ◆ If the query passes without errors, a list of cases corresponding to the selection criteria are returned.

In Phase 2 (once list is received):

- ◆ Each of the cases that is returned has a key associated with it (result table - CLAS_RA_KEY).
- ◆ This key must be used in the query by @in_clasrakey. No other selection criteria can be entered in combination with the key query.

In Phase 3 (after @in_clasrakey sent in):

- ◆ If the case has been completed by the Field Office, the mainframe will update the status of this request to ensure that it is purged from the list of cases. It is important to perform this phase or the case will not be purged from the lender's list of held cases.
- ◆ If the status_code is > 65 (completed) and the CASE_NO is equal to spaces, the returned results can be used in the add mode of the sp_f17rlc RPC. This means the Field Office did not allow a case number to be assigned to this case. Errors can be corrected and the sp_f17rlc RPC retransmitted.
- ◆ Otherwise, the results correspond to the result fields of the sp_f17rlc RPC. This indicates that there are no changes allowed at this time. Either the case is still being processed by the Field Office, or the case has completed processing and a case number has been assigned.

Parameters in positional order:

<u>Parameter Name</u>	<u>Size</u>	<u>Description</u>
@in_user	char(6)	User ID - required
@in_password	char(8)	User Password - required
@in_clasrakey	char(9)	CLAS key stored - 9 numeric characters. Required in Phase 2; blank in Phase 1.
@in_OrigID	char(10)	Originator that is requesting the holds tracking information - 10 numeric characters. (HUD personnel - required; lenders – optional.)

<u>Parameter Name</u>	<u>Size</u>	<u>Description</u>
@in_street	char(20)	Street of property. May be queried individually or in combination with @in_lastname field. Required entry if lender requesting Holds Tracking by street (Phase 1); otherwise, blank.
@in_lastname	char(22)	Borrower's last name. May be queried individually or in combination with @in_street field. Required entry if lender requesting Holds Tracking by last name (Phase 1); otherwise, blank.
@in_sel_status	char(1)	Type of cases user wishes to query by. The valid values are (A) All Cases, (C) Completed Cases, or (N) All Cases with Case Numbers Assigned.

Description of result table:

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
SIGNON_ID	char(6)	Value of @in_user
CLAS_RA_KEY	char(10)	CLAS key generated when case is held by the field office
CASE_NO	char(11)	Case Number - format 999-9999999
ORIGINATOR	char(10)	Originator ID - this is the ID of the lender who originated the case
CASE_REF	char(10)	Case Reference
CASE_TYPE	char(1)	Case Type (CT)
ADP_CODE	char(3)	ADP Code
CONSTN_CODE	char(1)	Construction Code (CC)
LIV_UNITS	char(2)	Living Units
PGM_ID	char(2)	Program ID
PROCSNG	char(1)	Processing Type
FINANCING	char(1)	Financing Type
SR_REFI	char(1)	Streamlined Refinance Indicator
PREV_CASE	char(11)	Previous case number - format 999-9999999
SPONSOR	char(10)	Sponsor/Agent ID
SPC_ID	char(9)	Subdiv/PUD/Condo ID
SPOT_LOT	char(1)	Spot Lot Indicator
SPC_IND	char(1)	Subdiv/PUD/Condo Indicator
SPC_PHASE	char(3)	Phase of above (SPC_ID) project
MOYR_COMP	char(7)	Month/Year Completed - format MM/YYYY
VA_NO	char(8)	VA CRV Number
VA_EXP	char(9)	VA CRV Expiration Date - format MM/DD/YY
APRSR_TYPE	char(1)	Appraiser Assignment Choice
APRSR_ID	char(22)	Appraiser License ID

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
INSP_TYPE	char(1)	Compliance Inspector Assignment Choice
INSP_ID	char(4)	Compliance Inspector ID
PRIOR_PD	char(1)	Prior PD Indicator
APRSR_DT	char(8)	Appraiser Assignment Date - format MM/DD/YY
PR_IND	char(1)	Purchase/Refinance Indicator
PRIOR_FHA	char(1)	Prior FHA Indicator
WARNING_MSG_1	char(78)	These 6 fields will contain warning messages returned from Case Number Assignment
WARNING_MSG_2		
WARNING_MSG_3		
WARNING_MSG_4		
WARNING_MSG_5		
WARNING_MSG_6		
HSE_NO	char(7)	House Number
SUFFIX	char(6)	House Number Suffix
PRE_DIR	char(2)	Pre-direction
STREET	char(20)	Street Name
TYPE	char(4)	Street Type
POST	char(2)	Post Direction
LOT	char(4)	Lot
BLK_PLAT	char(5)	Block/Plat
CITY	char(17)	City
STATE	char(2)	State
ZIP	char(10)	Zip Code - 99999-9999
COUNTY	char(3)	County Code
B1_NAME	char(22)	Primary Borrower Name
B1_SSN	char(12)	Primary Borrower SSN - format 999-99-9999
B2_NAME	char(22)	First Coborrower Name
B2_SSN	char(12)	First Coborrower SSN - format 999-99-9999
B3_NAME	char(22)	Second Coborrower Name
B3_SSN	char(12)	Second Coborrower SSN - format 999-99-9999
B1_SSN_TIN_IND	char(1)	Indicates if SSN is (S)SN or (T)IN for Primary Borrower.
B2_SSN_TIN_IND	char(1)	Indicates if SSN is (S)SN or (T)IN for First Coborrower.
B3_SSN_TIN_IND	char(1)	Indicates if SSN is (S)SN or (T)IN for Second Coborrower.
CONSULT_ID	char(5)	203k Consultant ID
CONSULT_NAME	char(22)	203k Consultant Name

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
RECEIVE_DATE	char(8)	Date case was received by HUD - format MM/DD/YY.
STATUS_CODE	char(2)	Indicates the status that the request is in - format 99.
STATUS_DATE	char(8)	Date the status of the request changed - format MM/DD/YY
CHUMS_MSG	char(78)	Error or warning message returned from HUD
NOTES1	char(75)	These 2 fields will contain any notes from the field office/HOC or notes a lender puts on the case.
NOTES2	char(75)	
CT_NAME	char(22)	Contact Name for refinanced case.
CT_PHONE	char(14)	Contact Phone for refinanced case - format (999) 999-9999.
CLSG_DT	char(8)	Projected Closing Date.
NT_AMORT_DT	char(5)	Amortization Date for case being refinanced - format MM/YY.
NT_O_TERM	char(3)	Loan term for case being refinanced - 3 numeric characters.
NT_O_MTG	char(10)	Mortgage Amount for case being refinanced - returned as formatted number \$Z,ZZZ,ZZ9.
NT_O_MIP	char(10)	Premium Amount for case being refinanced - returned as formatted number \$Z,ZZZ,ZZ9.
NT_AUTH	char(13)	Refinance Authorization number - generated when Refinance Authorization has been successfully completed.
NT_EXP_DT	char(8)	Expiration date for Refinance Authorization - format MM/DD/YY.
NT_O_PVAL	char(10)	Old Property Value – returned as a formatted number \$Z,ZZZ,ZZ9.
NT_CLSG1	char(5)	Closing Date 1. Format MM/YY.
NT_TERM1	char(3)	Loan Period 1. Format ZZ9.
NT_FACTOR1	char(6)	MIP Factor 1. Format .99999.
NT_UNMIP1	char(10)	Unearned MIP 1. Format \$\$\$,ZZ9.99.
NT_MIP1	char(10)	Earned MIP 1. Format \$\$\$,ZZ9.99.
NT_CLSG2	char(5)	Closing Date 2. Format MM/YY.
NT_TERM2	char(3)	Loan Period 2. Format ZZ9.
NT_FACTOR2	char(6)	MIP Factor 2. Format .99999.
NT_UNMIP2	char(10)	Unearned MIP 2. Format \$\$\$,ZZ9.99.
NT_MIP2	char(10)	Earned MIP 2. Format \$\$\$,ZZ9.99.
NT_O_NAME	char(22)	Borrower Name for case being refinanced.
NT_O_ADDRS	char(52)	Address of case being refinanced.
CA1_AUTH	char(10)	CAIVRS Authorization of B1_SSN.

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
CA2_AUTH	char(10)	CAIVRS Authorization of B2_SSN.
CA3_AUTH	char(10)	CAIVRS Authorization of B3_SSN.
CA1_NAME_1	char(25)	Name of agency where credit problem 1 for B1_SSN was reported.
CA1_CASE_1	char(10)	Case number of defaulted loan - format 999-9999999.
CA1_TYPE_1	char(12)	Type of credit problem.
CA1_PHONE_1	char(13)	Agency phone number - format (999)999-9999..
CA1_ NAME_2	char(25)	Name of agency where credit problem 2 for B1_SSN was reported.
CA1_CASE_2	char(10)	Case number of defaulted loan - format 999-9999999.
CA1_TYPE_2	char(12)	Type of credit problem.
CA1_PHONE_2	char(13)	Agency phone number - format (999)999-9999.
CA1_NAME_3	char(25)	Name of agency where credit problem 3 for B1_SSN was reported.
CA1_CASE_3	char(10)	Case number of defaulted loan - format 999-9999999.
CA1_TYPE_3	char(12)	Type of credit problem.
CA1_PHONE_3	char(13)	Agency phone number - format (999)999-9999.
CA2_NAME_1	char(25)	Name of agency where credit problem 1 for B2_SSN was reported.
CA2_CASE_1	char(10)	Case number of defaulted loan - format 999-9999999.
CA2_TYPE_1	char(12)	Type of credit problem.
CA2_PHONE_1	char(13)	Agency phone number - format (999)999-9999.
CA2_NAME_2	char(25)	Name of agency where credit problem 2 for B2_SSN was reported.
CA2_CASE_2	char(10)	Case number of defaulted loan - format 999-9999999.
CA2_TYPE_2	char(12)	Type of credit problem.
CA2_PHONE_2	char(13)	Agency phone number - format (999)999-9999.
CA2_NAME_3	char(25)	Name of agency where credit problem 3 for B2_SSN was reported.
CA2_CASE_3	char(10)	Case number of defaulted loan - format 999-9999999.
CA2_TYPE_3	char(12)	Type of credit problem.
CA2_PHONE_3	char(13)	Agency phone number - format (999)999-9999.
CA3_NAME_1	char(25)	Name of agency where credit problem 1 for B3_SSN was reported.

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
CA3_CASE_1	char(10)	Case number of defaulted loan - format 999-9999999.
CA3_TYPE_1	char(12)	Type of credit problem.
CA3_PHONE_1	char(13)	Agency phone number - format (999)999-9999.
CA3_NAME_2	char(25)	Name of agency where credit problem 2 for B3_SSN was reported.
CA3_CASE_2	char(10)	Case number of defaulted loan - format 999-9999999.
CA3_TYPE_2	char(12)	Type of credit problem.
CA3_PHONE_2	char(13)	Agency phone number - format (999)999-9999.
CA3_NAME_3	char(25)	Name of agency where credit problem 3 for B3_SSN was reported.
CA3_CASE_3	char(10)	Case number of defaulted loan - format 999-9999999.
CA3_TYPE_3	char(12)	Type of credit problem.
CA3_PHONE_3	char(13)	Agency phone number - format (999)999-9999.
SEL_STATUS	char(1)	Type of cases user queried by.
ORIG_NAME	char(30)	Name of the originator.
ORIG_ADDR	char(30)	Address of the originator.
SPNSR_NAME	char(30)	Name of the sponsor.
SPNSR_ADDR	char(30)	Address of the sponsor.
SPC_NAME	char(30)	Name of the subdiv/PUD/condo.
INSP_NAME	char(22)	Name of the inspector.
APRSR_NAME	char(22)	Name of the appraiser.
GEOCODE_FLAG	char(1)	Used to track geocoding.
SIGNON_FLAG	char(1)	Field to show if @in_user is in error. If "Y" then field is in error; "N" says field is valid.
ORIG_FLAG	char(1)	Field to show if @in_OrigID is in error. If "Y" then field is in error; "N" says field is valid.
STREET_FLAG	char(1)	Field to show if @in_street is in error. If "Y" then field is in error; "N" says field is valid.
LAST_FLAG	char(1)	Field to show if @in_lastname is in error. If "Y" then field is in error; "N" says field is valid.
SEL_STATUS_FLAG	char(1)	Flag indicating if @in_sel_status is in error ("E").
TOOMANY_FLAG	char(1)	Field to indicate that too many selections have been entered. If "Y" then field is in error; "N" says field is valid.
NOENTRY_FLAG	char(1)	Field to indicate that no selections have been entered. If "Y" then field is in error; "N" says field is valid.

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
CLAS_RA_KEY_FLAG	char(1)	Field to indicate that @in_clasrakey is in error. If "Y" then field is in error; "N" says field is valid.
STATUS_FLAG	char(1)	Field to show that request is in error. If "E" or "Y" then request is in error; "N" says the request was successfully processed with no errors/warnings.
STATUS_MSG	char(78)	Error message field that corresponds with STATUS_FLAG. This field indicates that the request was successful/unsuccessful.
MSG_1	char(78)	These 10 fields are used to return Errors/warnings for the case.
MSG_2		
MSG_3		
MSG_4		
MSG_5		
MSG_6		
MSG_7		
MSG_8		

17. Inspector Assignment (sp_f17dgc)

Parameters in positional order:

<u>Parameter Name</u>	<u>Size</u>	<u>Description</u>
@in_user	char(6)	User ID
@in_password	char(8)	User Password
@in_case_number	char(10)	Case Number - 10 numeric characters.
@in_insp_ch	char(1)	Inspector Choice - 1 numeric characters.
@in_asgn_date	char(6)	Inspector Assigned Date - 6 numeric characters
@in_asgn_cd	char(2)	Inspector Assignment Code - 2 numeric characters.
@in_insp_id	char(4)	Inspector ID - 4 alphanumeric characters.
@in_log_id_1	char(4)	Inspector ID (1) - 4 alphanumeric characters.
@in_log_id_2	char(4)	Inspector ID (2) - 4 alphanumeric characters.
@in_log_id_3	char(4)	Inspector ID (3) - 4 alphanumeric characters.
@in_log_id_4	char(4)	Inspector ID (4) - 4 alphanumeric characters.
@in_log_id_5	char(4)	Inspector ID (5) - 4 alphanumeric characters.
@in_log_dt_1	char(6)	Inspection Log Date (1) - 6 numeric characters.
@in_log_dt_2	char(6)	Inspection Log Date (2) - 6 numeric characters.
@in_log_dt_3	char (6)	Inspection Log Date (3) - 6 numeric characters.
@in_log_dt_4	char(6)	Inspection Log Date (4) - 6 numeric characters.
@in_log_dt_5	char(6)	Inspection Log Date (5) - 6 numeric characters
@in_mode_flag	char(1)	Flag to indicate the processing mode of the program. Possible values are "Q"(query), "A"(add), "C "(change).
@in_browser	char(40)	Browser - 40 alphanumeric characters.
@in_case_no	char(10)	Case Number - 10 numeric characters.
SIGNON_ID	char(6)	User ID
CASE_NUMBER	char(10)	Case Number - value of @in_case_number reformatted as 999-9999999.
INSP_CH	char(1)	Inspector Choice - value of @in_insp_ch.
ASGN_MO	char(2)	Assignment Month - part of value of @in_asgn_date.
ASGN_DA	char(2)	Assignment Day - part of value of @ in_asgn_date.
ASGN_YR	char(2)	Assignment Year - part of value of @in_asgn_date.

Description of result table:

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
ASGN_CD	char(2)	Assignment Code - value of @in_asgn-cd.
INSP_ID	char(4)	Inspector ID
LOG_ID_1	char(4)	Inspector ID for the first inspection. Value of @in_log_id_1.
LOG_ID_2	char(4)	Inspector ID for the second inspection. Value of @in_log_id_2.
LOG_ID_3	char(4)	Inspector ID for the third inspection. Value of @in_log_id_3.
LOG_ID_4	char(4)	Inspector ID for the fourth inspection. Value of @in_log_id_4.
LOG_ID_5	char(4)	Inspector ID for the fifth inspection. Value of @in_log_id_5.
LOG_DT_1_MO	char(2)	Inspection Logging Month for the first inspection. Part of value of @log_dt_1.
LOG_DT_1_DA	char(2)	Inspection Logging Day for the first inspection. Part of value of @log_dt_1.
LOG_DT_1_YR	char(2)	Inspection Logging Year for the first inspection. Part of value of @log_dt_1.
LOG_DT_2_MO	char(2)	Inspection Logging Month for the second inspection. Part of value of @log_dt_2.
LOG_DT_2_DA	char(2)	Inspection Logging Day for the second inspection. Part of value of @log_dt_2.
LOG_DT_2_YR	char(2)	Inspection Logging Year for the second inspection. Part of value of @log_dt_2.
LOG_DT_3_MO	char(2)	Inspection Logging Month for the third inspection. Part of value of @log_dt_3.
LOG_DT_3_DA	char(2)	Inspection Logging Day for the third inspection. Part of value of @log_dt_3.
LOG_DT_3_YR	char(2)	Inspection Logging Year for the third inspection. Part of value of @log_dt_4.
LOG_DT_4_MO	char(2)	Inspection Logging Month for the fourth inspection. Part of value of @log_dt_4.
LOG_DT_4_DA	char(2)	Inspection Logging Day for the fourth inspection. Part of value of @log_dt_4.
LOG_DT_4_YR	char(2)	Inspection Logging Year for the fourth inspection. Part of value of @log_dt_4.
LOG_DT_5_MO	char(2)	Inspection Logging Month for the fifth inspection. Part of value of @log_dt_5.

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
LOG_DT_5_DA	char(2)	Inspection Logging Day for the fifth inspection. Part of value of @log_dt_5.
LOG_DT_5_YR	char(2)	Inspection Logging Year for the fifth inspection. Part of value of @log_dt_5.
INSP_NAME	char(22)	Name of the inspector currently assigned to the case.
BROWSER	char(40)	Browser
STATUS_MSG	char(75)	Message stating if processing was successful or if an error occurred.
STATUS_FLAG	char(1)	Flag to determine if the request was successful. "Y" if the request was successful.
SIGNON_MSG	char(78)	Message stating if the sign-on was successful or if an error occurred.
CASE_NO_MSG	char(78)	Message stating the case number entered in @in_case_no was in error.
INSP_CH_MSG	char(78)	Message stating the inspector choice entered in @in_insp_ch was in error.
ASGN_DT_MSG	char(78)	Message stating the assignment date entered in @in_asgn_dt was in error.
ASGN_CD_MSG	char(78)	Message stating the assignment code entered in @in_asgn_cd was in error.
INSP_ID-MSG	char(78)	Message stating the inspector ID entered in @in_insp_id was in error.
LOG_ID_1_MSG	char(78)	Message stating the Inspector ID entered in @in_log_id_1 was in error.
LOG_ID_2_MSG	char(78)	Message stating the Inspector ID entered in @in_log_id_2 was in error.
LOG_ID_3_MSG	char(78)	Message stating the Inspector ID entered in @in_log_id_3 was in error.
LOG_ID_4_MSG	char(78)	Message stating the Inspector ID entered in @in_log_id_4 was in error.
LOG_ID_5_MSG	char(78)	Message stating the Inspector ID entered in @in_log_id_5 was in error.
LOG_DT_1_MSG	char(78)	Message stating the Inspection Logged Date in @in_log_dt_1 was in error.
LOG_DT_2_MSG	char(78)	Message stating the Inspection Logged Date in @in_log_dt_2 was in error.
LOG_DT_3_MSG	char(78)	Message stating the Inspection Logged Date in @in_log_dt_3 was in error.
LOG_DT_4_MSG	char(78)	Message stating the Inspection Logged Date in @in_log_dt_4 was in error.
LOG_DT_5_MSG	char (78)	Message stating the Inspection Logged in @in_log_dt_5 was in error.

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
MSG_18	char(78)	Extra field to pass on other miscellaneous messages to the user.
MODE_FLAG	char(1)	Flag to determine what processing mode is required for the case. Possible values are "Q" (query), "A" (add), "C" (change), "X" (data accepted add mode) and "Y" (data accepted change mode).
SIGNON_ID_FLAG	char(1)	Flag to indicate if the sign-on was successful. "Y" indicates the @in_signon_id was in error.
CASE_NUM_FLAG	char(1)	Flag to indicate if the Case Number entered in @in_case_num was in error. Error if the value is "Y".
INSP_CH_FLAG	char(1)	Flag to indicate if the Inspector Choice entered in @in_insp_ch was in error. Error if the value is "Y".
ASGN_DT_FLAG	char(1)	Flag to indicate if the Assigned Date entered in @in_asgn_dt was in error. Error if the value is "Y".
ASGN_CD_FLAG	char(1)	Flag to indicate if the Assignment Code entered in @in_asgn_cd was in error. Error if the value is "Y".
INSP_ID_FLAG	char(1)	Flag to indicate if the Inspector ID entered in @in_insp_id was in error. Error if the value is "Y".
LOG_ID_1_FLAG	char(1)	Flag to indicate if the Logging ID entered in @in_log_id_1 was in error. Error if the value is "Y".
LOG_ID_2_FLAG	char(1)	Flag to indicate if the Logging ID entered in @in_log_id_2 was in error. Error if the value is "Y".
LOG_ID_3_FLAG	char(1)	Flag to indicate if the Logging ID entered in @in_log_id_3 was in error. Error if the value is "Y".
LOG_ID_4_FLAG	char(1)	Flag to indicate if the Logging ID entered in @in_log_id_4 was in error. Error if the value is "Y".
LOG_ID_5_FLAG	char(1)	Flag to indicate if the Logging ID entered in @in_log_id_5 was in error. Error if the value is "Y".
LOG_DT_1_FLAG	char(1)	Flag to indicate if the Logging Date entered in @in_log_dt_1 was in error. Error if the value is "Y".
LOG_DT_2_FLAG	char(1)	Flag to indicate if the Logging Date entered in @in_log_dt_2 was in error. Error if the value is "Y".
LOG_DT_3_FLAG	char(1)	Flag to indicate if the Logging Date entered in @in_log_dt_3 was in error. Error if the value is "Y".
LOG_DT_4_FLAG	char(1)	Flag to indicate if the Logging Date entered in @in_log_dt_4 was in error. Error if the value is "Y".
LOG_DT_5_FLAG	char(1)	Flag to indicate if the Logging Date entered in @in_log_dt_5 was in error. Error if the value is "Y".
BROWSER_FLAG	char(1)	Flag to indicate if the Browser entered in @in_browser was in error. Error if the value is "Y".
CASE_NO	char(10)	Case Number entered in @in_case_no.
PROP_ADRS	char(50)	Property Address of the case.

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
ADDR_HSE_NO	char(7)	House Number of the property.
ADDR_HSE_NO_SUFEX	char(6)	Extension of House Number of the property.
ADDR_PRE_DIR	char(2)	Pre direction, e.g. "N", "SE", of the property.
ADDR_ST_NAME	char(20)	Street name of the property.
ADDR_ST_TP	char(4)	Street Type (CT, ST, DR, etc) of the property.
ADDR_POST_DIR	char(2)	Post Direction, e.g., "S", "NW", of the property.
ADDR_CITY_NAME	char(17)	City name of the property.
ADDR_STE_CD	char(2)	State code of the property.
ADDR_CNTY_CD	char(3)	County code of the property.
ADDR_ZIP_CD	char(9)	Zip Code of the property.
ADDR_FORMAT_TP	char(1)	Address format L = Lot Block; other values are Street format
ADDR_PLAT	char(2)	Plat identifier on which the property resides.
ADDR_BLK	char(3)	Block identifier on the plat on which the property resides.
ADDR_LOT	char(4)	Lot identifier in the block, on the plat on which the property resides.
CASE_TYPE	char(1)	Possible values are 'M' for MAR cases or space for all other cases.

18. Insurance Application (sp_f17euc)

Parameters in positional order:

<u>Parameter Name</u>	<u>Size</u>	<u>Description</u>
@in_user	char(6)	User ID
@in_password	char(8)	User Password
@in_mode	char(1)	Request mode: (R)etrieve, (E)dit, (Q)uery.
@in_case_no	char(10)	FHA Case Number
@in_mail	char(1)	Mail to sponsor indicator. Valid values are "Y" and "N".
@in_issue	char(1)	Issue in name of sponsor indicator. Valid values are "Y" and "N".
@in_adp_code	char(3)	ADP code. See Appendix.
@in_prog_id	char(2)	Program ID. See Appendix.
@in_const_cd	char(1)	Construction type. Valid values are: 1 (proposed construction), 2 (substantial rehabilitation), 3 (under construction), and 4 (existing construction).
@in_liv_units	char(2)	Number of living units.
@in_old_hap	char(6)	Old Housing Assistance Payment formatted as 999.99.
@in_new_hap	char(6)	New Housing Assistance Payment formatted as 999.99.
@in_solar	char(1)	Solar indicator. Valid values are "Y" and "N".
@in_purpose	char(1)	Loan purpose. See Appendix.
@in_borr_type	char(1)	Borrower type. See Appendix.
@in_escrow	char(1)	Repair escrow indicator. Valid values are "Y" and "N".
@in_escrow_dt	char(4)	Date repairs expected to be completed in mmyy format.
@in_escrow_amt	char(5)	Amount in escrow for repairs, warning if over 10,000.
@in_prop_value	char(6)	Property value. May not be greater than 650,000.
@in_total_cc	char(6)	Total closing costs must be greater than zero for cases other than refinance or property disposition.
@in_borr_cc	char(6)	Borrower's closing costs. Must be numeric.
@in_curr_exp	char(6)	Current expenses. Must be numeric.
@in_unpaid_bal	char(6)	Unpaid balance on current loan. Must be numeric.
@in_sale_price	char(6)	Sale price. Must be numeric. Must be zero for refinance case or loan purpose 2 or 3.
@in_mort_base	char(6)	Mortgage basis. Must be greater than zero.

<u>Parameter Name</u>	<u>Size</u>	<u>Description</u>
@in_req_invst_s	char(1)	Sign (+ or -) of required investment. Valid values are "+" and "-".
@in_req_invst	char(6)	Required investment. Must be numeric. Must be greater than zero for a non-refinance case.
@in_tot_req_s	char(1)	Sign (+ or -) of total required investment. Valid values are "+" and "-".
@in_tot_req	char(6)	Total required investment. Must be numeric. Must be greater than zero for a non-refinance case.
@in_assets	char(6)	Assets. Must be numeric. Must be greater than zero for non-refinance case unless borrower is type 8.
@in_tot_mtg_pmt	char(6)	Total mortgage payment. Must be numeric. Must be greater than zero unless a streamline refinance case.
@in_fix_pmt	char(6)	Total fixed payment. Must be numeric. Must be greater than zero unless a streamline refinance case.
@in_mm_income	char(6)	Monthly income. Must be numeric. Must be greater than zero unless borrower is type 8 or case is a streamline refinance.
@in_gift_amt	char(6)	Gift amount. Must be numeric.
@in_gift_src	char(2)	Source of gift indicator. Valid values are 00 (N/A), 01 (Relative), 02 (Nonprofit/Religious/Community), 03 (Government Assistance), 06 (Employer).
@in_under_id	char(4)	Underwriter ID
@in_under_dt	char(6)	Underwriter approval date in mmddyy format.
@in_prior_ind	char(1)	Optional, obsolete, ignored. If value entered, it will be ignored. Prior loan closed before 07/01/91 indicator. Valid values were "Y" and "N". No edits performed.
@in_prior_dt	char(6)	Optional, obsolete, ignored. If value entered, it will be ignored. Date prior loan closed in mmddyy format. No edits performed.
@in_borr1_name	char(22)	Primary borrower's name.
@in_borr1_ssn	char(9)	Primary borrower's SSN or TIN. Must be numeric.
@in_borr1_race	char(1)	Primary borrower's race. Valid values are 0 through 6 and 9.
@in_borr1_sex	char(1)	Primary borrower's sex. Valid values are 0 (N/A), 1 (male), and 2 (female).
@in_borr1_age	char(2)	Primary borrower's age. Must be numeric.
@in_borr2_name	char(22)	Coborrower's name.
@in_borr2_ssn	char(9)	Coborrower's SSN. Must be numeric.
@in_borr2_race	char(1)	Coborrower's race. Valid values are 0 through 6 and 9.

<u>Parameter Name</u>	<u>Size</u>	<u>Description</u>
@in_borr2_sex	char(1)	Coborrower's sex. Valid values are 0 (N/A), 1 (male), and 2 (female).
@in_borr2_age	char(2)	Coborrower's age. Must be numeric.
@in_borr3_name	char(22)	Second coborrower's name
@in_borr3_ssn	char(9)	Second coborrower's SSN. Must be numeric.
@in_exempt	char(1)	Exempt from SSN indicator. Valid values are SPACE (N/A), "Y" and "N". Must be "N" if @in_borr_type is 8.
@in_dependents	char(2)	Number of dependents. Must be numeric.
@in_martrl_stat	char(1)	Marital status. Valid values are SPACE (N/A), "A" (married), "B" (separated), and "C" (unmarried).
@in_self_emp	char(1)	Self employed indicator. Valid values are "Y" and "N".
@in_emp_yrs	char(2)	Number of years at current job. Must be numeric.
@in_renting	char(1)	Renting indicator. Valid values are "Y" and "N".
@in_rent_yrs	char(2)	Number of years currently renting. Must be numeric.
@in_first_byr	char(1)	First time homebuyer indicator. Valid values are "Y" and "N".
@in_counsel	char(1)	Type of counseling indicator. Valid values are SPACE (N/A), "A" (not counseled), "B" (lender), and "C" (third party).
@in_vet_pref	char(1)	Veteran preference indicator. Valid values are "Y" and "N".
@in_eem	char(1)	Energy efficiency mortgage indicator. Valid values are "Y" and "N".
@in_mort_amt	char(7)	Mortgage amount. Must be 1,000 or more.
@in_int_rate	char(6)	Interest rate formatted as 99.999.
@in_mthly_pymt	char(8)	Monthly mortgage payment formatted as 99999.99.
@in_mtrty_dt	char(6)	Mortgage maturity date formatted as mmccyy.
@in_loan_term	char(3)	Term of loan in months. Valid values are 36 through 480.
@in_warranty	char(10)	Enrollment number for warranty plan
@in_amort_plan	char(1)	Amortization plan. Valid values are SPACE, "A" through "F", and "L" through "P".
@in_frst_pmt_dt	char(6)	Date of first mortgage payment formatted as mmccyy.
@in_curr_pmt	char(1)	Current payments indicator. Valid values are "Y" and "N".
@in_mip_fincd	char(1)	MIP financed indicator. Valid values are "Y" and "N".

<u>Parameter Name</u>	<u>Size</u>	<u>Description</u>
@in_close_dt	char(6)	Date of closing formatted as mmddyy.
@in_appr_lic	char(22)	Appraiser's license ID. Must begin with 2 character state code followed by license number.
@in_gift_tin	char(9)	Tax Identification Number (TIN) for Non-Profit gift source formatted as 999999999.
@in_borr1_ind	char(1)	Indicates if SSN is (S)SN or (T)IN for Primary Borrower, Valid values are "S", "T", and space.
@in_borr2_ind	char(1)	Indicates if SSN is (S)SN or (T)IN for Coborrower, Valid values are "S", "T", and space.
@in_borr3_ind	char(1)	Indicates if SSN is (S)SN or (T)IN for Second Coborrower, Valid values are "S", "T", and space.
@in_cash_mip	char(5)	Indicates amount of Upfront MIP paid in cash formatted as 99.99. Valid values are 0.0 thru 49.99.
@in_consult_id	char(5)	203k Consultant ID. Optional entry. ID of consultant associated with 203k case. If entered, Construction type must be 2 (substantial rehabilitation).
@sell_cntrb	char(6)	Closing costs and other monies contributed by the seller. Must be numeric.
@sec_fin_amt	char(6)	Amount of financing procured through a secondary source. Must be numeric.
@sec_fin_src	char(2)	Source of secondary financing indicator. Valid values are 00 (N/A), 01 (Government & Nonprofit Instrumentality of Government), 02 (Nonprofit (not Instrumentality of Government)), 03 (Private Organizations/Eligible Individuals).

Description of result table:

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
MODE	char(1)	Return mode: "R", "E", or "Q". If "R", the request was not processed. If "E", the current case data is returned. If "Q", either the case data is returned or, if the requestor has update authorization and the case is not insured, the input parameters are returned with error messages, if applicable.
CASE_NO	char(11)	Case Number - value of @in_case_no reformatted as 999-9999999 or returned as sent if not numeric.
CASE_NO_FLAG	char(1)	Flag indicating if the @in_case_no or transaction caused an error. If "Y", the @in_case_no or transaction was in error. Otherwise, neither the @in_case_no nor transaction was in error. If SPACE, no errors, warnings, or special conditions exist.

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
STATUS_FLAG	char(1)	Flag indicating if the request was successful. If "F", the request was not processed due to fatal errors. If "E", the request was processed but non fatal errors were found. If "W", the request was processed but warnings were found. If "N", the request was processed with no errors or warnings.
STATUS_MSG	char(78)	Message detailing if request was successful.
ERR_MSG1	char(78)	Details error or warning message.
ERR_MSG2	char(78)	Details error or warning message.
ERR_MSG3	char(78)	Details error or warning message.
ERR_MSG4	char(78)	Details error or warning message.
ERR_MSG5	char(78)	Details error or warning message.
ERR_MSG6	char(78)	Details error or warning message.
ERR_MSG7	char(78)	Details error or warning message.
ERR_MSG8	char(78)	Details error or warning message.
ERR_MSG9	char(78)	Details error or warning message.
ERR_MSG10	char(78)	Details error or warning message.
ERR_MSG11	char(78)	Details error or warning message.
ERR_MSG12	char(78)	Details error or warning message.
ERR_MSG13	char(78)	Details error or warning message.
ERR_MSG14	char(78)	Details error or warning message.
ERR_MSG15	char(78)	Details error or warning message.
ERR_MSG16	char(78)	Details error or warning message.
ERR_MSG17	char(78)	Details error or warning message.
ERR_MSG18	char(78)	Details error or warning message.
ERR_MSG19	char(78)	Details error or warning message.
ERR_MSG20	char(78)	Details error or warning message.
ERR_MSG21	char(78)	Details error or warning message.
ERR_MSG22	char(78)	Details error or warning message.
ERR_MSG23	char(78)	Details error or warning message.
ERR_MSG24	char(78)	Details error or warning message.
ERR_MSG25	char(78)	Details error or warning message.
PROP_STR	char(44)	Property street address.
PROP_STR_FLAG	char(1)	Flag indicating if the address is in error ("E") or has a warning ("W"). If "E", the address is not in house number/street format, but lot/block format. If "W", the address was also entered via CLAS and differs from the address on CHUMS. If SPACE, no errors, warnings, or special conditions exist.
PROP_CSZ	char(32)	Property city, state, and ZIP

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
PROP_CSZ_FLAG	char(1)	Flag indicating if the address has a warning. If "W", the address was also entered via CLAS and differs from the address on CHUMS. If SPACE, no errors, warnings, or special conditions exist.
CNTY_CD	char(3)	County Code
ORIG	char(10)	Originator ID
ORIG_FLAG	char(1)	Flag indicating if the originator is in error. If "E", the originator has an error. If "W", the originator has a warning. If SPACE, no errors, warnings, or special conditions exist.
ORIG_NAME	char(22)	Originator Name
SPNSR	char(10)	Sponsor/Agent ID.
SPNSR_FLAG	char(1)	Flag indicating if the sponsor/agent is in error, has a warning, or is not applicable. If "E", the sponsor/agent has an error. If "W", the sponsor/agent has a warning. If "H"(ide), the sponsor/agent ID and Name are not returned. If SPACE, no errors, warnings, or special conditions exist.
SPNSR_NAME	char(22)	Sponsor/Agent Name
SUBDIV_ID	char(9)	PUD/Condo ID
SUBDIV_NAME	char(22)	PUD/Condo Name
MAIL	char(1)	"Y" or "N", Mail to Sponsor indicator.
MAIL_FLAG	char(1)	Flag indicating if the mail to sponsor indicator is in error or is not applicable. If "E", the mail to sponsor indicator has an error. If "H"(ide), the mail to sponsor indicator is not applicable. If SPACE, no errors, warnings, or special conditions exist.
ISSUE	char(1)	"Y" or "N", Issue in Sponsor Name indicator
ISSUE_FLAG	char(1)	Flag indicating if the issue to sponsor indicator is in error or is not applicable. If "E", the issue to sponsor indicator has an error. If "H"(ide), the issue to sponsor indicator is not applicable. If SPACE, no errors, warnings, or special conditions exist.
ADP_CODE	char(3)	ADP Code
ADP_CODE_FLAG	char(1)	Flag indicating if the ADP code is in error or may not be changed. If "E", the ADP code has an error. If "P"(rotext), the ADP code may not be changed. If SPACE, no errors, warnings, or special conditions exist.
PROG_ID	char(2)	Program ID.

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
PROG_ID_FLAG	char(1)	Flag indicating if the program ID is in error. If "E", the program ID has an error. If SPACE, no errors, warnings, or special conditions exist.
CONST_CD	char(1)	Construction Type
CONST_CD_FLAG	char(1)	Flag indicating if the construction type is in error or may not be changed. If "E", the construction type has an error. If "P"(roctect), the construction type may not be changed. If SPACE, no errors, warnings, or special conditions exist.
LIV_UNITS	char(2)	Number of Living Units
LIV_UNITS_FLAG	char(1)	Flag indicating if the number of living units is in error. If "E", the number of living units has an error. If SPACE, no errors, warnings, or special conditions exist.
OLD_HAP	char(6)	Old Housing Assistance Payment (HAP) reformatted as 999.99
OLD_HAP_FLAG	char(1)	Flag indicating if the old HAP is in error or is not applicable. If "E", the old HAP has an error. If "H"(ide), the old HAP is not applicable. If SPACE, no errors, warnings, or special conditions exist.
NEW_HAP	char(6)	New Housing Assistance Payment (HAP) reformatted as 999.99
NEW_HAP_FLAG	char(1)	Flag indicating if the new HAP is in error or is not applicable. If "E", the new HAP has an error. If "H"(ide), the new HAP is not applicable. If SPACE, no errors, warnings, or special conditions exist.
SOLAR	char(1)	"Y" or "N", Solar indicator
SOLAR_FLAG	char(1)	Flag indicating if the solar indicator is in error. If "E", the solar indicator has an error. If SPACE, no errors, warnings, or special conditions exist.
PURPOSE	char(1)	Loan Purpose
PURPOSE_FLAG	char(1)	Flag indicating if the loan purpose is in error. If "E", the loan purpose has an error. If SPACE, no errors, warnings, or special conditions exist.
BORR_TYPE	char(1)	Borrower Type
BORR_TYPE_FLAG	char(1)	Flag indicating if the borrower type is in error. If "E", the borrower type has an error. If SPACE, no errors, warnings, or special conditions exist.
ESCROW	char(1)	"Y" or "N", Escrow indicator
ESCROW_FLAG	char(1)	Flag indicating if the escrow indicator is in error. If "E", the escrow indicator has an error. If SPACE, no errors, warnings, or special conditions exist.

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
ESCROW_DT	char(5)	Repair Complete Date reformatted as mm/yy.
ESCROW_DT_FLAG	char(1)	Flag indicating if the repair complete date is in error. If "E", the repair complete date has an error. If SPACE, no errors, warnings, or special conditions exist.
ESCROW_AMT	char(5)	Escrow Amount
ESCROW_AMT_FLAG	char(1)	Flag indicating if the escrow amount is in error or has a warning. If "E", the escrow amount has an error. If "W", the escrow amount has a warning. If SPACE, no errors, warnings, or special conditions exist.
PROP_VALUE	char(6)	Appraised Value
PROP_VALUE_FLAG	char(1)	Flag indicating if the appraised value is in error. If "E", the appraised value has an error. If SPACE, no errors, warnings, or special conditions exist.
TOTAL_CC	char(6)	Total Closing Costs
TOTAL_CC_FLAG	char(1)	Flag indicating if the total closing costs is in error. If "E", the total closing costs has an error. If SPACE, no errors, warnings, or special conditions exist.
BORR_CC	char(6)	Borrower Closing Costs
BORR_CC_FLAG	char(1)	Flag indicating if the borrower closing costs is in error. If "E", the borrower closing costs has an error. If SPACE, no errors, warnings, or special conditions exist.
CURR_EXP	char(6)	Current Housing Expense.
CURR_EXP_FLAG	char(1)	Flag indicating if the current housing expense is in error. If "E", the current housing expense has an error. If SPACE, no errors, warnings, or special conditions exist.
UNPAID_BAL	char(6)	Unpaid Principal Balance
UNPAID_BAL_FLAG	char(1)	Flag indicating if the unpaid principal balance is in error. If "E", the unpaid principal balance has an error. If SPACE, no errors, warnings, or special conditions exist.
SALE_PRICE	char(6)	Sale Price
SALE_PRICE_FLAG	char(1)	Flag indicating if the sale price is in error. If "E", the sale price has an error. If SPACE, no errors, warnings, or special conditions exist.
MORT_BASE	char(6)	Mortgage Basis
MORT_BASE_FLAG	char(1)	Flag indicating if the mortgage basis is in error. If "E", the mortgage basis has an error. If SPACE, no errors, warnings, or special conditions exist.

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
REQ_INVST_S	char(1)	"+" or "-", sign of Required Investment
REQ_INVST_S_FLAG	char(1)	Flag indicating if the sign of required investment is in error. If "E", the sign of required investment has an error. If SPACE, no errors, warnings, or special conditions exist.
REQ_INVST	char(6)	Required Investment
REQ_INVST_FLAG	char(1)	Flag indicating if the required investment is in error. If "E", the required investment has an error. If SPACE, no errors, warnings, or special conditions exist.
TOT_REQ_S	char(1)	"+" or "-", sign of Total Requirements
TOT_REQ_S_FLAG	char(1)	Flag indicating if the sign of total requirements is in error. If "E", the sign of total requirements has an error. If SPACE, no errors, warnings, or special conditions exist.
TOT_REQ	char(6)	Total Requirements.
TOT_REQ_FLAG	char(1)	Flag indicating if the total requirements is in error. If "E", the total requirements has an error. If SPACE, no errors, warnings, or special conditions exist.
ASSETS	char(6)	Assets Available
ASSETS_FLAG	char(1)	Flag indicating if the assets available is in error. If "E", the assets available has an error. If SPACE, no errors, warnings, or special conditions exist.
TOT_MTG_PMT	char(6)	Total Mortgage Payment
TOT_MTG_PMT_FLAG	char(1)	Flag indicating if the total mortgage payment is in error. If "E", the total mortgage payment has an error. If SPACE, no errors, warnings, or special conditions exist.
FIX_PMT	char(6)	Total Fixed Payment
FIX_PMT_FLAG	char(1)	Flag indicating if the total fixed payment is in error. If "E", the total fixed payment has an error. If SPACE, no errors, warnings, or special conditions exist.
MM_INCOME	char(6)	Monthly Income
MM_INCOME_FLAG	char(1)	Flag indicating if the monthly income is in error. If "E", the monthly income has an error. If SPACE, no errors, warnings, or special conditions exist.
GIFT_AMT	char(6)	Gift Letter Amount
GIFT_AMT_FLAG	char(1)	Flag indicating if the gift letter amount is in error. If "E", the gift letter amount has an error. If SPACE, no errors, warnings, or special conditions exist.

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
GIFT_SRC	char(2)	Code for Gift Letter Source. See Appendix.
GIFT_SRC_FLAG	char(1)	Flag indicating if the gift letter source code is in error. If "E", the gift letter source code has an error. If SPACE, no errors, warnings, or special conditions exist.
UNDER_ID	char(4)	Underwriter ID.
UNDER_ID_FLAG	char(1)	Flag indicating if the underwriter ID is in error. If "E", the underwriter ID has an error. If SPACE, no errors, warnings, or special conditions exist.
UNDER_DT	char(8)	Underwriter Approval Date reformatted as mm/dd/yy.
UNDER_DT_FLAG	char(1)	Flag indicating if the underwriter approval date is in error. If "E", the underwriter approval date has an error. If SPACE, no errors, warnings, or special conditions exist.
UNDER_NAME	char(22)	Underwriter Name
PRIOR_IND	char(1)	"Y" or "N", Indicator for Prior Loan Closed Before 07/01/91.
PRIOR_IND_FLAG	char(1)	Flag indicating if the prior loan closed indicator is in error, not applicable, or may not be changed. If "E", the prior loan closed indicator has an error. If "H"(ide), the prior loan closed indicator and date are not applicable and are not returned. If "P"(roTECT), the prior loan closed indicator and date may not be changed. If SPACE, no errors, warnings, or special conditions exist.
PRIOR_DT	char(8)	Date Prior Loan Closed reformatted as mm/dd/yy.
PRIOR_DT_FLAG	char(1)	Flag indicating if the date prior loan closed is not applicable or may not be changed. If "H"(ide), the prior loan closed indicator and date are not applicable and are not returned. If "P"(roTECT), the prior loan closed indicator and date may not be changed. If SPACE, no errors, warnings, or special conditions exist.
BORR1_NAME	char(22)	Borrower Name
BORR1_NAME_FLAG	char(1)	Flag indicating if the borrower name is in error. If "E", the borrower name has an error. If SPACE, no errors, warnings, or special conditions exist.
BORR1_SSN	char(11)	Borrower SSN or TIN reformatted as 999-99-9999.
BORR1_SSN_FLAG	char(1)	Flag indicating if the borrower SSN or TIN is in error or has a warning. If "E", the borrower SSN/TIN has an error. If "W", the borrower SSN/TIN has a warning. If SPACE, no errors, warnings, or special conditions exist.

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
BORR1_RACE	char(1)	Borrower Race
BORR1_RACE_FLAG	char(1)	Flag indicating if the borrower race is in error. If "E", the borrower race has an error. If SPACE, no errors, warnings, or special conditions exist.
BORR1_SEX	char(1)	Borrower Sex
BORR1_SEX_FLAG	char(1)	Flag indicating if the borrower sex is in error. If "E", the borrower sex has an error. If SPACE, no errors, warnings, or special conditions exist.
BORR1_AGE	char(2)	Borrower Age
BORR1_AGE_FLAG	char(1)	Flag indicating if the borrower age is in error. If "E", the borrower age has an error. If SPACE, no errors, warnings, or special conditions exist.
BORR2_NAME	char(22)	Coborrower Name
BORR2_NAME_FLAG	char(1)	Flag indicating if the coborrower name is in error. If "E", the coborrower name has an error. If SPACE, no errors, warnings, or special conditions exist.
BORR2_SSN	char(11)	Coborrower SSN reformatted as 999-99-999.
BORR2_SSN_FLAG	char(1)	Flag indicating if the coborrower SSN is in error or has a warning. If "E", the coborrower SSN has an error. If "W", the coborrower SSN has a warning. If SPACE, no errors, warnings, or special conditions exist.
BORR2_RACE	char(1)	Coborrower Race.
BORR2_RACE_FLAG	char(1)	Flag indicating if the coborrower race is in error. If "E", the coborrower race has an error. If SPACE, no errors, warnings, or special conditions exist.
BORR2_SEX	char(1)	Coborrower Sex
BORR2_SEX_FLAG	char(1)	Flag indicating if the coborrower sex is in error. If "E", the coborrower sex has an error. If SPACE, no errors, warnings, or special conditions exist.
BORR2_AGE	char(2)	Coborrower Age
BORR2_AGE_FLAG	char(1)	Flag indicating if the coborrower age is in error. If "E", the coborrower age has an error. If SPACE, no errors, warnings, or special conditions exist.
BORR3_NAME	char(22)	Coborrower (second) Name
BORR3_NAME_FLAG	char(1)	Flag indicating if the second coborrower name is in error. If "E", the second coborrower name has an error. If SPACE, no errors, warnings, or special conditions exist.
BORR3_SSN	char(11)	Coborrower (second) SSN reformatted as 999-99-9999.

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
BORR3_SSN_FLAG	char(1)	Flag indicating if the second coborrower SSN is in error or has a warning. If "E", the second coborrower SSN has an error. If "W", the second coborrower SSN has a warning. If SPACE, no errors, warnings, or special conditions exist.
EXEMPT	char(1)	Exempt from SSN indicator
EXEMPT_FLAG	char(1)	Flag indicating if the exempt from SSN indicator is in error. If "E", the exempt from SSN indicator has an error. If SPACE, no errors, warnings, or special conditions exist.
DEPENDENTS	char(2)	Number of Dependents
DEPENDENTS_FLAG	char(1)	Flag indicating if the number of dependents is in error. If "E", the number of dependents has an error. If SPACE, no errors, warnings, or special conditions exist.
MARTL_STAT	char(1)	Marital Status Code
MARTL_STAT_FLAG	char(1)	Flag indicating if the marital status code is in error. If "E", the marital status code has an error. If SPACE, no errors, warnings, or special conditions exist.
SELF_EMP	char(1)	"Y" or "N", Self Employed indicator
SELF_EMP_FLAG	char(1)	Flag indicating if the self employed indicator is in error. If "E", the self employed indicator has an error. If SPACE, no errors, warnings, or special conditions exist.
EMP_YRS	char(2)	Years at Current Job
EMP_YRS_FLAG	char(1)	Flag indicating if the years at current job is in error. If "E", the years at current job has an error. If SPACE, no errors, warnings, or special conditions exist.
RENTING	char(1)	"Y" or "N", Renting indicator.
RENTING_FLAG	char(1)	Flag indicating if the renting indicator is in error. If "E", the renting indicator has an error. If SPACE, no errors, warnings, or special conditions exist.
RENT_YRS	char(2)	Years Renting
RENT_YRS_FLAG	char(1)	Flag indicating if the years renting is in error. If "E", the years renting has an error. If SPACE, no errors, warnings, or special conditions exist.
FIRST_BYR	char(1)	"Y" or "N", First Time Homebuyer indicator.
FIRST_BYR_FLAG	char(1)	Flag indicating if the first time homebuyer indicator is in error. If "E", the first time homebuyer indicator has an error. If SPACE, no errors, warnings, or special conditions exist.

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
COUNSEL	char(1)	Counsel Type code
COUNSEL_FLAG	char(1)	

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
AMORT_PLAN	char(1)	Amortization Code
AMORT_PLAN_FLAG	char(1)	Flag indicating if the amortization code is in error. If "E", the amortization code has an error. If SPACE, no errors, warnings, or special conditions exist.
FRST_PMT_DT	char(7)	First Payment Date reformatted as mm/ccyy.
FRST_PMT_DT_FLAG	char(1)	Flag indicating if the first payment date is in error or has a warning. If "E", the first payment date has an error. If "W", the first payment date has a warning. If SPACE, no errors, warnings, or special conditions exist.
CURR_PMT	char(1)	"Y" or "N", Current Payments indicator.
CURR_PMT_FLAG	char(1)	Flag indicating if the current payments indicator is in error or is not applicable. If "E", the current payments indicator has an error. If "H"(ide), the current payments indicator is not applicable and is not returned. If SPACE, no errors, warnings, or special conditions exist.
LTV	char(6)	Loan to Value (%) reformatted as 999.99
LTV_FLAG	char(1)	Flag indicating that the loan to value may not be changed. "P"(roTECT) is always returned.
MIP_FINCD	char(1)	"Y" or "N", MIP Financed indicator
MIP_FINCD_FLAG	char(1)	Flag indicating if the MIP financed indicator is in error. If "E", the MIP financed indicator has an error. If SPACE, no errors, warnings, or special conditions exist.
CLOSE_DT	char(8)	Closing Date reformatted as mm/dd/yy.
CLOSE_DT_FLAG	char(1)	Flag indicating if the closing date is in error or has a warning. If "E", the closing date has an error. If "W", the closing date has a warning. If SPACE, no errors, warnings, or special conditions exist.
APPR_LIC	char(22)	Appraiser License ID.
APPR_LIC_FLAG	char(1)	Flag indicating if the appraiser license ID is in error or is not applicable. If "E", the appraiser license ID has an error. If "H"(ide), the appraiser license is not applicable and is not returned. If SPACE, no errors, warnings, or special conditions exist.
APPR_NAME	char(22)	Appraiser Name
ENDORSE	char(1)	"Y " or "N", Insurance Decision indicator
ENDORSE_FLAG	char(1)	Flag indicating if the insurance decision is in error or may not be changed. If "E", the insurance decision has an error. If "P"(roTECT), the insurance decision may not be changed. If SPACE, no errors, warnings, or special conditions exist.

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
ENDORSE_DT	char(8)	Insured Date reformatted as mm/dd/yy.
ENDORSE_DT_FLAG	char(1)	Flag indicating if the insured date is in error or is not applicable. If "E", the insured date has an error. If "H"(ide), the insured date is not applicable and is not returned. Currently, only SPACE or "H" are returned. If SPACE, no errors, warnings, or special conditions exist.
ENDORSE_BY	char(4)	Insured By
ENDORSE_BY_FLAG	char(1)	Flag indicating that the insured by field may not be changed. "P"(rotect) is always returned.
CLAS_DATA	char(1)	"Y" or SPACE, indicates if CLAS data is displayed. If "Y", insurance data has been entered via CLAS. Any field returned with a "W"(arning) flag may have a value different than the CHUMS database.
RETURN_DT	char(8)	Binder Return Date reformatted as mm/dd/yy. If this date is SPACES, the case is not targeted for a technical review. If the date is not SPACES, the case was targeted for technical review and the binder must be sent to the HOC by the Binder Return Date.
SUB_PUD_CON	char(1)	"S"(ubdivision), "P"(UD), "C"(ondo), or SPACE, indicates type of property.
GIFT_TIN	char(10)	Tax Identification Number (TIN) for Non-Profit gift source reformatted as 99-9999999.
GIFT_TIN_FLAG	char(1)	Flag indicating if the gift source TIN is in error or is not applicable. If "E", the gift source TIN has an error. If SPACE, no errors, warnings, or special conditions exist.
GIFT_NAME	char(22)	Non-Profit gift source name.
BORR1_IND	char(1)	Indicates if SSN is (S)SN or (T)IN for Primary Borrower. SPACE if not applicable.
BORR1_IND_FLAG	char(1)	Flag indicating if the SSN/TIN indicator for Primary Borrower is in error. If "E", the indicator has an error. If SPACE, no errors, warnings, or special conditions exist.
BORR2_IND	char(1)	Indicates if SSN is (S)SN or (T)IN for Coborrower. SPACE if not applicable.
BORR2_IND_FLAG	char(1)	Flag indicating if the SSN/TIN indicator for Coborrower is in error. If "E", the indicator has an error. If SPACE, no errors, warnings, or special conditions exist.
BORR3_IND	char(1)	Indicates if SSN is (S)SN or (T)IN for Second Coborrower. SPACE if not applicable.

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
BORR3_IND_FLAG	char(1)	Flag indicating if the SSN/TIN indicator for Second Coborrower is in error. If "E", the indicator has an error. If SPACE, no errors, warnings, or special conditions exist.
CASH_MIP	char(5)	Upfront MIP paid in cash reformatted as 99.99.
CASH_MIP_FLAG	char(1)	Flag indicating if the Upfront MIP paid in cash is in error. If "E", the cash MIP is in error. If SPACE, no errors, warnings, or special conditions exist.
CONSULT_ID	char(5)	203k Consultant ID.
CONSULT_ID_FLAG	char(1)	Flag indicating if the 203k Consultant ID is in error. If "E", the 203k Consultant is in error. If "H" (ide), the 203k Consultant is not returned. If SPACE, no errors, warnings, or special conditions apply.
CONSULT_NAME	char(22)	203k Consultant Name.
ADDR_HSE_NO	char(7)	House number of the property.
ADDR_HSE_NO_SUFIX	char(6)	House number suffix of the property.
ADDR_PRE_DIR	char(2)	Directional prefix, e.g., "N", "SE", of the property.
ADDR_ST_NAME	char(20)	Street name of the property.
ADDR_ST_TP	char(4)	Street type, e.g., "ST", "AVE", of the property.
ADDR_POST_DIR	char (2)	Post directional, e.g., "S", "NW", of the property.
ADDR_CITY_NAME	char(17)	City name of the property.
ADDR_STE_CD	char(2)	State of the property.
ADDR_CNTY_CD	char(3)	County code of the property.
ADDR_ZIP_CD	char(9)	Zip Code of the property.
ADDR_FORMAT_TP	char(1)	Format type of the property (S: Standard format, L: Lot/Block/Plat format.)
ADDR_PLAT	char(2)	Plat identifier on which the property resides.
ADDR_BLK	char(3)	Block identifier on the plat on which the property resides.
ADDR_LOT	char(4)	Lot identifier in the block, on the plat on which the property resides.
SELL_CNTRB	char(6)	Seller Contribution.
SELL_CNTRB_FLAG	char(1)	Flag indicating if the seller contribution is in error. If "E", the seller contribution has an error. If SPACE, no errors, warnings or special conditions exist.
SEC_FIN_AMT	char(6)	Secondary Financing Amount.

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
SEC_FIN_AMT_FLAG	char(1)	Flag indicating if the Secondary Financing Amount is in error. If "E", the Secondary Financing Amount has an error. If SPACE, no errors, warning or special conditions exist.
SEC_FIN_SRC	char(2)	Secondary Financing Source Indicator.
SEC_FIN_SRC_FLAG	char(1)	Flag indicating if the Secondary Financing Source Indicator is in error. If "E", the Secondary Financing Source Indicator has an error. If SPACE, no errors warnings or special conditions exist.

19. Mortgage Credit Reject (sp_f17ecc)

Parameters in positional order:

<u>Parameter Name</u>	<u>Size</u>	<u>Description</u>
@in_user	char(6)	User ID
@in_password	char(8)	User Password
@in_mode	char(1)	Request mode: Q(uey), A(dd), U(pdate)
@in_case_no	char(10)	FHA Case Number
@in_adp_code	char(3)	ADP Code
@in_borr1_name	char(22)	Primary borrower's name. Formatted as: Last Name, First Name Middle Initial. (Last Name followed by a comma followed by first name followed by a space followed by middle name)
@in_borr1_ssn_tin_st	char(1)	Primary borrower's SSN/TIN indicator: S(SN), T(IN)
@in_borr1_ssn_tin	char(9)	Primary borrower's SSN/TIN. Must be numeric.
@in_borr1_race	char(1)	Primary borrower's race. One numeric digit
@in_borr1_sex	char(1)	Primary borrower's sex. Valid values are 0(N/A), 1(Male), and 2(Female).
@in_borr2_name	char(22)	Coborrower's name. Formatted as: Last Name, First Name Middle Initial. (See formatting of @in_borr1_name)
@in_borr2_ssn_tin_st	char(1)	Coborrower's SSN/TIN indicator: S(SN), T(IN)
@in_borr2_ssn_tin	char(9)	Coborrower's SSN/TIN. Must be numeric.
@in_borr2_race	char(1)	Coborrower's race. One numeric digit.
@in_borr2_sex	char(1)	Coborrower's sex. Valid values are 0(N/A), 1(Male), and 2(Female).
@in_ssn_exempt	char(1)	Exempt from SSN: Y(es), N(o).
@in_loan_purpose	char(1)	Purpose of loan. One numeric digit.
@in_borr_type	char(1)	Type of borrower. One numeric digit.
@in_first_time_buyer	char(1)	First time home buyer. (Y)es, (N)o.
@in_sales_price	char(6)	Sales price. Must be numeric.
@in_mortgage	char(6)	Mortgage. Must be numeric.
@in_monthly_income	char(5)	Monthly income. Must be numeric.
@in_credit_char	char(1)	Credit worthiness of borrower: A(pprove), R(eject).
@in_adequacy_of_income	char(1)	Adequacy of income of borrower: A(pprove), R(eject).
@in_stability_income	char(1)	Stability of income of borrower: A(pprove), R(eject).

<u>Parameter Name</u>	<u>Size</u>	<u>Description</u>
@in_adqcy_avail_assets	char(1)	Adequacy of available assets for closing: A(pprove), R(eject).
@in_loan_value_ratio	char(6)	Ratio of the mortgage to the value as determined by the lender. The field is formatted as 999.99.
@in_mtg_paym_inc_ratio	char(4)	The amount of the mortgage payment divided by the amount of income. The field is formatted 99.9.
@in_fix_paym_inc_ratio	char(4)	The amount of housing expense and recurring debts divided by the amount of income. The field is formatted 99.9.
@in_credit_denial_dt	char(6)	Date the credit denial was made. The field is formatted as mmddy.
@in_under_id	char(4)	Underwriter ID.
@in_new_borrower	char(1)	Indicates whether to add borrower to existing rejected case: Y(es), N(o).
@in_delete_record	char(1)	Indicates whether to delete the current record: Y(es), N(o).
@in_db_key	char(20)	Database key of the borrower's Mortgage Credit Reject record. Must be numeric. Returned by mode X (list mode). Must be provided in order to update specific case.
@in_text_line1	char(69)	The first part of the comments that a user adds regarding a rejected case.
@in_text_line2	char(69)	The second part of the comments that a user adds regarding a rejected case.

Description of result table:

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
MODE	char(1)	Return mode: "Q" or "A" or "U" or "R"
SIGNON_ID	char(6)	Signon_ID. Value of @in_signon_id.
CASE_NO	char(10)	FHA Case Number. Value of @in_case_no.
ADP_CODE	char(3)	ADP Code
BORR1_NAME	char(22)	Borrower's Name
BORR1_SSN_TIN_ST	char(1)	Code indicating whether Borrower's SSN/TIN number is an SSN or a TIN.
BORR1_SSN_TIN	char(9)	Borrower's SSN or TIN.
BORR1_RACE	char(1)	Borrower's Race
BORR1_SEX	char(1)	Borrower's Sex
BORR2_NAME	char(22)	Coborrower's Name
BORR2_SSN_TIN_ST	char(1)	Code indicating whether Coborrower's SSN/TIN number is an SSN or a TIN.
BORR2_SSN_TIN	char(9)	Coborrower's SSN or TIN.

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
BORR2_RACE	char(1)	Coborrower's Race
BORR2_SEX	char(1)	Coborrower's Sex
SSN_EXEMPT	char(1)	Indicates whether borrower is exempt from SSN.
LOAN_PURPOSE	char(1)	Purpose of the Loan
BORR_TYPE	char(1)	Borrower Type
FIRST_TIME_BUYER	char(1)	Value of @in_first_time_buyer
SALES_PRICE	char(6)	Sales Price of property
MORTGAGE	char(6)	Mortgage amount
MONTHLY_INCOME	char(5)	Monthly Income
CREDIT_CHAR	char(1)	Credit Worthiness of borrower
ADEQUACY_OF_INCOME	char(1)	Adequacy of Income of borrower.
STABILITY_INCOME	char(1)	Stability of Income of borrower.
ADQCY_AVAIL_ASSETS	char(1)	Adequacy of Available Assets of borrower.
LOAN_VALUE_RATIO	char(6)	Ratio of the mortgage to the value as determined by the lender. The field is formatted as 999.99.
MTG_PAYM_INC_RATIO	char(4)	The amount of the mortgage payment divided by the amount of income. The field is formatted 99.9.
FIX_PAYM_INC_RATIO	char(4)	The amount of housing expense and recurring debts divided by the amount of income. The field is formatted 99.9.
CREDIT_DENIAL_DT	char(6)	Date the Credit Denial was made. The field is formatted as mmddyy.
UNDER_ID	char(4)	Underwriter ID
NEW_BORROWER	char(1)	Indicates whether to add borrower to existing rejected case.
DELETE_RECORD	char(1)	Indicates whether to delete the borrower's Mortgage Credit Reject record.
DB_KEY	char(20)	Database key of the borrower's Mortgage Credit Reject record.
RECORD_CNT	char(4)	The number of Mortgage Credit Reject records that reside on the database for the Case Number.
BEGIN_CNT	char(4)	The sequential number of the first Mortgage Credit Reject borrower returned.
END_CNT	char(4)	The sequential number of the last Mortgage Credit Reject borrower returned.
STREET_ADDRESS	char(44)	House number and street name of the property.
ADDR_HSE_NO	char(7)	House Number
ADDR_HSE_NO_SUF	char(6)	Extension of House Number
ADDR_PRE_DIR	char(2)	Pre-direction
ADDR_ST_NAME	char(20)	Street Name

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
ADDR_ST_TP	char(4)	Street Type (CT, ST, DR, etc.)
ADDR_POST_DIR	char(2)	Post Direction
ADDR_CITY_NAME	char(17)	City Name
ADDR_STE_CD	char(2)	State of the property
ADDR_CNTY_CD	char(3)	County Code
ADDR_ZIP_CD	char(9)	Zip Code of the property
ADDR_FORMAT_TP	char(1)	Address format L = Lot Block; other values are Street format.
ORIGINATOR_ID	char(10)	Originator ID
ORIGINATOR_NAME	char(30)	Originator Name
SPONSOR_ID	char(10)	Sponsor ID
SPONSOR_NAME	char(30)	Sponsor Name
UNDER_NAME	char(22)	Underwriter Name
STATUS_MSG	char(78)	Error or warning message returned
MODE_FLAG	char(1)	Not operational
SIGNON_ID_FLAG	char(1)	Flag indicating if the @in_signon_id caused an error. If "Y" the @in_signon_id was in error. Otherwise, the @in_signon_id was not in error. If 'N' no error exists.
CASE_NO_FLAG	char(1)	Flag indicating if the @in_case_no or transaction caused an error. If "Y", the @in_case_no was in error. Otherwise, the @in_case_no was not in error.
ADP_CODE_FLAG	char(1)	Flag indicating if @in_adp_code is in error. If "Y", the ADP Code has an error. If SPACE, no errors exist.
BORR1_NAME_FLAG	char(1)	Flag indicating if @in_borr1_name is in error. If "Y", the Borrower Name has an error. If SPACE, no errors exist.
BORR1_SSN_TIN_ST_FLAG	char(1)	Flag indicating if @in_borr1_ssn_tin_st is in error. If "Y", the Borrower SSN/TIN Indicator has an error. If SPACE, no errors exist.
BORR1_SSN_TIN_FLAG	char(1)	Flag indicating if @in_borr1_ssn_tin is in error. If "Y", the Borrower SSN/TIN has an error. If SPACE, no errors exist.
BORR1_RACE_FLAG	char(1)	Flag indicating if @in_borr1_race is in error. If "Y", the Borrower Race has an error. If SPACE, no errors exist.
BORR1_SEX_FLAG	char(1)	Flag indicating if @in_borr1_sex is in error. If "Y", the Borrower Sex has an error. If SPACE, no errors exist.

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
BORR2_NAME_FLAG	char(1)	Flag indicating if @in_borr2_name is in error. If “Y”, the Coborrower Name has an error. If SPACE, no errors exist.
BORR2_SSN_TIN_ST_FLAG	char(1)	Flag indicating if @in_borr2_ssn_tin_st is in error. If “Y”, the Coborrower SSN/TIN Indicator has an error. If SPACE, no errors exist.
BORR2_SSN_TIN_FLAG	char(1)	Flag indicating if @in_borr2_ssn_tin is in error. If “Y”, the Coborrower SSN/TIN has an error. If SPACE, no errors exist.
BORR2_RACE_FLAG	char(1)	Flag indicating if @in_borr2_race is in error. If “Y”, the Coborrower Race has an error. If SPACE, no errors exist.
BORR2_SEX_FLAG	char(1)	Flag indicating if @in_borr2_sex is in error. If “Y”, the Coborrower Sex has an error. If SPACE, no errors exist.
SSN_EXEMPT_FLAG	char(1)	Flag indicating if @in_ssn_exempt is in error. If “Y”, SSN Exempt has an error. If SPACE, no errors exist.
LOAN_PURPOSE_FLAG	char(1)	Flag indicating if @in_loan_purpose is in error. If “Y”, Loan Purpose has an error. If SPACE, no errors exist.
BORR_TYPE_FLAG	char(1)	Flag indicating if @in_borr_type is in error. If “Y”, Borrower Type has an error. If SPACE, no errors exist.
FIRST_TIME_BUYER_FLAG	char(1)	Flag indicating if @in_first_time_buyer is in error. If “Y”, First Time Buyer has an error. If SPACE, no errors exist.
SALES_PRICE_FLAG	char(1)	Flag indicating if @in_sales_price is in error. If “Y”, Sales Price has an error. If SPACE, no errors exist.
MORTGAGE_FLAG	char(1)	Flag indicating if @in_mortgage is in error. If “Y”, Mortgage has an error. If SPACE, no errors exist.
MONTHLY_INCOME_FLAG	char(1)	Flag indicating if @in_monthly_income is in error. If “Y”, Monthly Income has an error. If SPACE, no errors exist.
CREDIT_CHAR_FLAG	char(1)	Flag indicating if @in_credit_char is in error. If “Y”, Credit Characteristics has an error. If SPACE, no errors exist.
ADEQUACY_OF_INCOME_FLAG	char(1)	Flag indicating if @in_adequacy_of_income is in error. If “Y”, Adequacy of Income has an error. If SPACE, no errors exist.
STABILITY_INCOME_FLAG	char(1)	Flag indicating if @in_stability_income is in error. If “Y”, Stability of Income has an error. If SPACE, no errors exist.

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
ADQCY_AVAIL_ASSETS_FLAG	char(1)	Flag indicating if @in_adqcy_avail_assets is in error. If "Y", Adequacy of Available Assets has an error. If SPACE, no errors exist.
LOAN_VALUE_RATIO_FLAG	char(1)	Flag indicating if @in_loan_value_ratio is in error. If "Y", the Loan to Value Ratio has an error. If SPACE, no errors exist.
MTG_PAYM_INC_RATIO_FLAG	char(1)	Flag indicating if @in_mtg_paym_inc_ratio is in error. If "Y", the Mortgage Payment to Income Ratio has an error. If SPACE, no errors exist.
FIX_PAYM_INC_RATIO_FLAG	char(1)	Flag indicating if @in_fix_paym_inc_ratio is in error. If "Y", the Fixed Payment to Income Ratio has an error. If SPACE, no errors exist.
CREDIT_DENIAL_DT_FLAG	char(1)	Flag indicating if @in_credit_denial_dt is in error. If "Y", Credit Denial Date has an error. If SPACE, no errors exist.
UNDER_ID_FLAG	char(1)	Flag indicating if @in_under_id is in error. If "Y", Under ID has an error. If SPACE, no errors exist.
STATUS_FLAG	char(1)	Flag indicating whether the request was successful. If "Y", the request was not processed due to fatal errors.
MSG_1	char(78)	Details error or warning message.
MSG_2	char(78)	Details error or warning message.
MSG_3	char(78)	Details error or warning message.
MSG_4	char(78)	Details error or warning message.
MSG_5	char(78)	Details error or warning message.
MSG_6	char(78)	Details error or warning message.
MSG_7	char(78)	Details error or warning message.
MSG_8	char(78)	Details error or warning message.
MSG_9	char(78)	Details error or warning message.
MSG_10	char(78)	Details error or warning message.
MSG_11	char(78)	Details error or warning message.
MSG_12	char(78)	Details error or warning message.
MSG_13	char(78)	Details error or warning message.
MSG_14	char(78)	Details error or warning message.
MSG_15	char(78)	Details error or warning message.
MSG_16	char(78)	Details error or warning message.
MSG_17	char(78)	Details error or warning message.
MSG_18	char(78)	Details error or warning message.
MSG_19	char(78)	Details error or warning message.
MSG_20	char(78)	Details error or warning message.

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
MSG_21	char(78)	Details error or warning message.
MSG_22	char(78)	Details error or warning message.
MSG_23	char(78)	Details error or warning message.
MSG_24	char(78)	Details error or warning message.
MSG_25	char(78)	Details error or warning message.
TEXT_LINE1	char(69)	The first part of the comments that a user adds regarding a rejected case.
TEXT_LINE2	char(69)	The second part of the comments that a user adds regarding a rejected case.

20. Refinance Authorization (sp_f17rnc)

Parameters in positional order:

<u>Parameter Name</u>	<u>Size</u>	<u>Description</u>
@in_user	char(6)	User ID
@in_password	varchar(10)	User Password
@in_orig	char(10)	Originator ID - 10 numeric characters
@in_case_no	char(10)	Case Number - 10 numeric characters
@in_closing_dt	char(6)	Projected Closing Date of new case - 6 numeric characters - Must be in YYMMDD format.
@in_contact_name	char(30)	Lender's Contact Name - 30 alphabetic characters.
@in_contact_phone	char(10)	Lender's Contact Phone - 10 numeric characters. Must be sent in Area Code (3 numeric characters), then Phone Number (7 numeric characters).

Description of result table:

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
ORIG	char(10)	10-Digit ID of Institution requesting Refinance Authorization.
ORIG_FLAG	char(1)	Field indicating if @in_orig is in error. If "Y", then field is in error; otherwise field is valid.
CASE_NUM	char(11)	Case Number - value of @in_case_no reformatted as 999-9999999.
CASE_NUM_FLAG	char(1)	Field indicating if @in_case_no is in error. If "Y", then field is in error; otherwise field is valid.
CLOSING_DT	char(8)	Closing Date - value of @in_closing_dt reformatted as MM/DD/YY.
CLOSING_DT_FLAG	char(1)	Field indicating if @in_closing_dt is in error. If "Y", then field is in error; otherwise field is valid.
CON_NAME	char(30)	Contact Name - value of @in_contact_name.
CON_NAME_FLAG	char(1)	Field indicating if @in_contact_name is in error. If "Y", then field is in error; otherwise field is valid.
CON_PHONE	char(13)	Contact Phone - value of @in_contact_phone reformatted as (999)999-9999.
CON_PHONE_FLAG	char(1)	Field indicating if @in_contact_phone is in error. If "Y", then field is in error; otherwise field is valid.
OLD_CASE_NUM	char(11)	Previous case number - 10 numeric digits. Format 999-9999999
NEW_BORR_NAME	char(22)	Borrower Name for new case

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
OLD_BORR_NAME	char(22)	Borrower Name for prior case number being refinanced
OLD_ORIG	char(5)	Originator for prior case number being refinanced.
OLD_ADDR	char(30)	Property Street Address for prior case number being refinanced.
NEW_ADDR	char(30)	Property Street Address for new case.
OLD_CSZ	char(30)	Property City, State, and Zip for prior case number being refinanced.
NEW_CSZ	char(30)	Property City, State and Zip for new case.
NEW_ORIG	char(10)	Originator for new case
NEW_ORIG_NAME	char(30)	Originator name for new case
OLD_ORIG_NAME	char(30)	Originator name for the prior case number being refinanced.
CLOSING_MOYR1	char(5)	Closing Month and Year based on Projected Closing Date. Format MM/YY.
CLOSING_MOYR2	char(5)	Closing Month and Year based on Projected Closing Date plus one month. Format MM/YY.
COMP_PREM	char(10)	Computed Premium \$ZZ,ZZ9.99 Format \$99,999.99.
INS_PERIOD1	char(3)	Loan Period based on projected closing month for prior case number. Format ZZ9.
INS_PERIOD2	char(3)	Loan Period based on projected closing month plus one month for prior case number. Format ZZ9.
TERM	char(3)	Loan term for prior case. 3 numeric characters.
MTG_AMT	char(10)	Mortgage Amount for prior case. Format \$Z,ZZZ,ZZ9.
MIP_FACTOR1	char(6)	MIP Factor based on projected closing month for prior case number. Format .99999.
MIP_FACTOR2	char(6)	MIP Factor based on projected closing month plus one month for prior case number. Format .99999.
MIP_EARNED1	char(10)	Earned MIP based on projected closing month for prior case number. Format \$ZZ,ZZ9.99.
MIP_EARNED2	char(10)	Earned MIP based on projected closing month plus one month for prior case number. Format \$ZZ,ZZ9.99.
MIP_UNEARNED1	char(10)	Unearned MIP based on projected closing month for prior case number. Format \$ZZ,ZZ9.99
MIP_UNEARNED2	char(10)	Unearned MIP based on projected closing month plus one month for prior case number. Format \$ZZ,ZZ9.99.
AUTH_NUM	char(13)	Refinance Authorization number

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
EXPIRE_DT	char(10)	Expiration Date for Refinance Authorization. Format MM/DD/CCYY.
STATUS_MSG	char(78)	Message stating if processing was successful or if an error occurred.
STATUS_FLAG	char(1)	Flag to determine status of request
MSG1	char(78)	Error or warning message
MSG2	char(78)	Error or warning message
MSG3	char(78)	Error or warning message
MSG4	char(78)	Error or warning message
MSG5	char(78)	Error or warning message
MSG6	char(78)	Error or warning message
MSG7	char(78)	Error or warning message
MSG8	char(78)	Error or warning message
MSG9	char(78)	Error or warning message
MSG10	char(78)	Error or warning message
PROP_VALUE	char(10)	Old Property Value

21. Underwriter Registry (sp_f17smc)

Parameters are in positional order:

<u>Parameter Name</u>	<u>Size</u>	<u>Description</u>
@in_user	char(6)	User ID - required
@in_password	char(8)	User Password - required
@in_choice	char(1)	Indicates if underwriter should be (A)dded, (C)hanged, or (D)eleted – required.
@in_under_num	char(4)	This is the internal ID number of the underwriter. If changing or deleting an underwriter - required; otherwise, blank.
@in_ssn	char(9)	Social Security Number of the underwriter - 9 numeric characters. Required if adding an underwriter.
@in_under_nam	char(22)	Name of the underwriter - required if adding an underwriter.
@in_former_nam	char(22)	Former Name of the underwriter - optional.
@in_phone	char(10)	Phone Number of the underwriter - 10 numeric characters
@in_attn_line	char(22)	Attention Line of the address - optional
@in_hse_no	char(7)	House Number for underwriter's residence - required if adding an underwriter.
@in_street_unit	char(3)	House Number Suffix for underwriter's residence - optional
@in_pre	char(2)	Pre-direction for underwriter's residence - optional
@in_street	char(20)	Street Name for underwriter's residence - required if adding an underwriter.
@in_street_type	char(4)	Street Type for underwriter's residence - optional
@in_post	char(2)	Post Direction for underwriter's residence - optional
@in_city	char(17)	City for underwriter's residence - required if adding an underwriter.
@in_state_cd	char(2)	State for underwriter's residence - required if adding an underwriter.
@in_zip	char(9)	Zip Code - 9 numeric characters. Required if adding an underwriter
@in_curr_emp	char(5)	Current Employer - 5 numeric characters. Required. This is the first 5 digits of the current employer's originator ID.
@in_hired_date	char(6)	Date the underwriter was hired by the current employer - 6 numeric characters. Required.

<u>Parameter Name</u>	<u>Size</u>	<u>Description</u>
@in_old_emp	char(5)	Old Employer - 5 numeric characters. Optional. This is the first 5 digits of the old employer's originator ID.
@in_term_date	char(6)	Date the underwriter was terminated by the old employer - 6 numeric characters. Required if @in_old_emp entered.
@in_certify	char(1)	Indicates that the originator entering the underwriter's information certifies that the underwriter meets all HUD requirements.

Description of result table:

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
CHOICE	char(24)	Value of @in_choice
UNDER_NUM	char(4)	Underwriter Number Add mode - generated by program Change/Delete mode - value of @in_under_num
SSN	char(11)	Underwriter's SSN Value of @in_ssn
UNDER_NAM	char(22)	Underwriter's Name Value of @in_under_nam
FORMER_NAM	char(22)	Underwriter's Former Name Value of @in_former_nam
PHONE	char(13)	Underwriter's Phone Number Value of @in_phone
ATTN_LINE	char(22)	Attention Line for Underwriter's address Value of @in_attn_line.
HSE_NO	char(7)	House Number for Underwriter's address Value of @in_hse_no.
STREET_UNIT	char(3)	Street Unit for Underwriter's address Value of @in_street_unit.
PRE	char(2)	Pre-direction for Underwriter's address Value of @in_pre.
STREET	char(20)	Street Name for Underwriter's address Value of @in_street.
STREET_TYPE	char(4)	Street Type for Underwriter's address Value of @in_street_type.
POST	char(2)	Post direction for Underwriter's address Value of @in_post.
CITY	char(17)	City Name for Underwriter's address Value of @in_city.
STATE	char(2)	State Name for Underwriter's address Value of @in_state.
ZIP	char(9)	Zip Code for Underwriter's address Value of @in_zip.

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
CURR_EMP	char(5)	Current Employer ID of underwriter Value of @in_curr_emp.
CURR_EMP_NAME	char(30)	Current Employer Name of underwriter. Generated by the program.
HIRE_DATE	char(8)	Hire Date by Current Employer of underwriter. Format MM/DD/YY.
OLD_EMP	char(5)	Old Employer ID of underwriter Value of @in_old_emp.
OLD_EMP_NAME	char(30)	Old Employer Name of underwriter. Generated by the program.
TERM_DATE	char(8)	Termination Date of Old Employer by underwriter. Format MM/DD/YY.
CERTIFY	char(1)	Certification by lender that underwriter meets HUD requirements. Value of @in_certify.
CHOICE_FLAG	char(1)	Field to show that @in_choice is in error. If "Y" then field is in error; "N" says field is valid.
UNDER_NUM_FLAG	char(1)	Field to show that @in_under_num is in error. If "Y" then field is in error; "N" says field is valid.
SSN_FLAG	char(1)	Field to show that @in_ssn is in error. If "Y" then field is in error; "N" says field is valid.
UNDER_NAM_FLAG	char(1)	Field to show that @in_under_nam is in error. If "Y" then field is in error; "N" says field is valid.
FORMER_NAM_FLAG	char(1)	Field to show that @in_former_nam is in error. If "Y" then field is in error; "N" says field is valid.
PHONE_FLAG	char(1)	Field to show that @in_phone is in error. If "Y" then field is in error; "N" says field is valid.
ATTN_LINE_FLAG	char(1)	Field to show that @in_attn_line is in error. If "Y" then field is in error; "N" says field is valid.
HSE_NO_FLAG	char(1)	Field to show that @in_hse_no is in error. If "Y" then field is in error; "N" says field is valid.
STREET_UNIT_FLAG	char(1)	Field to show that @in_street_unit is in error. If "Y" then field is in error; "N" says field is valid.
PRE_FLAG	char(1)	Field to show that @in_pre is in error. If "Y" then field is in error; "N" says field is valid.
STREET_FLAG	char(1)	Field to show that @in_street is in error. If "Y" then field is in error; "N" says field is valid.
TYPE_FLAG	char(1)	Field to show that @in_street_type is in error. If "Y" then field is in error; "N" says field is valid.
POST_FLAG	char(1)	Field to show that @in_post is in error. If "Y" then field is in error; "N" says field is valid.
CITY_FLAG	char(1)	Field to show that @in_city is in error. If "Y" then field is in error; "N" says field is valid.

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
STATE_FLAG	char(1)	Field to show that @in_state_cd is in error. If "Y" then field is in error; "N" says field is valid
ZIP_FLAG	char(1)	Field to show that @in_zip is in error. If "Y" then field is in error; "N" says field is valid
CURR_EMP_FLAG	char(1)	Field to show that @in_curr_emp is in error. If "Y" then field is in error; "N" says field is valid
HIRE_DATE_FLAG	char(1)	Field to show that @in_hired_date is in error. If "Y" then field is in error; "N" says field is valid.
OLD_EMP_FLAG	char(1)	Field to show that @in_old_emp is in error. If "Y" then field is in error; "N" says field is valid.
TERM_DATE_FLAG	char(1)	Field to show that @in_term_date is in error. If "Y" then field is in error; "N" says field is valid.
CERTIFY_FLAG	char(1)	Field to show that @in_certify is in error. If "Y" then field is in error; "N" says field is valid.
STATUS_MSG	char(78)	Message to indicate if request was successfully completed or contained errors.
STATUS_FLAG	char(1)	Flag to show request is in error. If "E" or "Y" then request is in error; "N" says the request was successfully processed

<u>Field Name</u>	<u>Size</u>	<u>Description</u>
MSG_1	char(78)	These 25 fields will contain all error/warning messages returned by the program
MSG_2		
MSG_3		
MSG_4		
MSG_5		
MSG_6		
MSG_7		
MSG_8		
MSG_9		
MSG_10		
MSG_11		
MSG_12		
MSG_13		
MSG_14		
MSG_15		
MSG_16		
MSG_17		
MSG_18		
MSG_19		
MSG_20		
MSG_21		
MSG_22		
MSG_23		
MSG_24		
MSG_25		