

**SECTION 49. STANDARD INTERFACE PROCESSING SYSTEM (SIPS)****49.1 GENERAL.**

The Standard Interface Processing System (SIPS) provides enhanced capabilities for interface processing. Features of SIPS include the following:

- a. A universal input format which is used by all interfacing systems and corresponds closely to the 124-character AF Form 1730 (Transmittal Register Transcript). See figure 49-1.
- b. The capability for each Operating Location (OPLOC) or Defense Accounting Office (DAO) to preestablish interface parameters containing descriptive data (file name and file disposition) for all potential interfaces (figure 49-3).
- c. Input of any combination of different interface input files during a single run of SIPS. A control record (figure 49-4) is used to select information regarding each desired interface from the file of potential interfaces.
- d. Assignment of FSR, PSR, and DSR addresses to interfacing transactions. If an input transaction already contains addresses or it is a miscellaneous MAFR transaction (action code MM), the address assignment is bypassed.
- e. Output listings, which reflect all transactions that passed basic edits and were assigned addresses (figure 49-6) transactions that contained errors, or were not assigned addresses (figure 49-7), a recap identifying a summary of all files input and output (figure 49-8), and a listing of E and R transactions belonging to another station (figure 49-10).
- f. An output disk file (VBQI5#UNDD10) containing all input transactions that had errors. This file is accessed online using the IREJ frame to make appropriate corrections and or assign addresses. The updated file may be used as input to a subsequent SIPS run. Multiple reject files may be produced depending on indicators in the ZBQI0DUNDD40 (figure 49-3).
- g. An output disk file (ABQI4PUNDD10) that is ready for PSUPRB processing to update the BQ database. This allows transactions to be treated as if they were input through a remote device.
- h. An output disk file (ABQI1TUNDD90) of transactions for another AFO that is automatically ADRSSed to that AFO using distribution indicator codes contained in the VBQ61SUNDD90 file.

**49.2 INTERFACE REQUIREMENTS.**

SIPS accept input from any interfacing system capable of producing a Unisys disk file. Input files must be located on the Unisys system where the BQ database resides, and the transactions must conform to the outline in the Standard Interface Format (figure 49-1) or the Interface Parameter Record Format (figure 49-3).

**49.3 SYSTEMS SUPPORTED.**

Currently, SIPS supports the following interfaces:

a. Civilian Pay Accounting Interface System (CPAIS).

(1) System Code: E4

(2) Purpose: Provides accrual and expense data for civilian payroll costs.

(3) Input File: AE4BQIUNDD10

b. A/R GFGL Expense Data for Materiel.

(1) System Code: GV

(2) Purpose: Materiel Interface to GAFS.

(3) Input File: ABQE2UUNDC30

c. Daily Transaction - "A in 80" Records.

(1) System Code: BQ

(2) Purpose: Conversion interfaces and emergencies.

(3) Input File: ABQE2AUNDC40

d. Military Personnel Interface.

(1) System Code: BQ

(2) Purpose: Interface Military Personnel expense data.

(3) Input File: ABQX0AUNDD10

e. Workload Information Management System (IWIMS) Interface.

(1) System Code: WI

(2) Purpose: Civil Engineering Interface.

(3) Input File: AWIP2TUNDD10

f. Standard Materiel Accounting System Interface.

(1) System Code: BJ

(2) Purpose: Interface Medical Expense Data,  
Interface Medical MAFR, GFGL Data, and  
Interfund Bills

(3) Input File: ABJKAAUNDD10  
ABJKABUNDD10

## g. E and R Records for Supply Reconciliation.

- (1) System Code: BQ
- (2) Purpose: BQ/Supply Reconciliation.
- (3) Input File: ABQ11IUNDD90

## h. Financial Inventory Accounting Billing System Interface.

- (1) System Code: ZJ
- (2) Purpose: Materiel Expense/GFGL Records
- (3) Input File: ABQI2AUNDD10

## i. Central Procurement Accounting System Interface.

- (1) System Code: UC
- (2) Purpose: Daily MAFR "A" Transactions (A in 80)
- (3) Input File: ABQI2BUNDD20

## j. Security Assistance MGMT System Interface.

- (1) System Code: SM
- (2) Purpose: FMS Accruals Update (A in 80).
- (3) Input File: ABQI2CUNDD30

## k. Central Procurement Accounting System Interface.

- (1) System Code: UC
- (2) Purpose: BQ Central Procurement (MOCAS) Payments and CPAS Adjustments.
- (3) Input File: ABQI2SUNDD90

## l. Korean National Payroll System.

- (1) System Code: HK
- (2) Purpose: Process Korean Local National Payroll.
- (3) Input File: AHK12TUNDD30

## m. Fuels Obligation Interface.

- (1) System Code: BQ
- (2) Purpose: Process fuels obligations.
- (3) Input File: ABQI2FUNDD10

n. Fuels Payment Interface.

- (1) System Code: BQ
- (2) Purpose: Process fuels payments.
- (3) Input File: ABQI2FUNDD10

o. Customer Automation and Reporting Environment.

- (1) System Code: BQ
- (2) Purpose: To Transfer 821 CT JV data to GAFS.
- (3) Input File: ABQ31BUNDD20

#### **49.4 BQ DATABASE REQUIREMENTS.**

CSRs, FSRs, PSRs, and DSRs must be established as described in section 13. Input transactions are matched and appropriate addresses are assigned based on the criteria outlined in figure 49-2.

#### **49.5 INTERFACE PARAMETER FILE.**

This file is established and maintained by the Accounting Division/ Reports and Analysis Division personnel, and contains information on all potential interface files, which may be input to SIPS.

a. Using IPF, the host Accounting Office initially establishes an Interface Parameter File (ZBQIODUNDD40) per agreement with the other AFOs maintained on the system. As new interfaces are identified, they must be added to this file (figure 49-3). Certain parameters are mandatory and must be established before SIPS processing is initiated. To support reject processing requirements, it is mandatory to establish at least one parameter entry for each AFO supported by SIPS. It is possible to have rejected parameter entry for each site and file type. For example, to create a reject parameter entry, use the appropriate reject file-ID (VBQI5#UNDD10) (where # is A-Z as determined by the host AFO or OPLOC), file type "R" and disposition code "E". The last two positions of the qualifier will be determined by position 74 of the corresponding input file-ID in the Interface Parameter File (ZBQIODUNDD40). If position 74 is "S", the distribution indicator of the site will be used. Otherwise, the distribution indicator of the lowest site code in the VBQ61S is used.

b. In an OPLOC environment, multiple incoming files are received for the same type of interface. For example, Supply "E", "S", and "Z" records (file-ID - ABQE2UUNDC30) are received concurrently from different sites that require interfacing. To separate the files, assign the distribution indicator code from the base variable 61S record as the 11th and 12th position of the qualifier when loading the filenames in the parameter file.

c. To facilitate distribution, formatting, and sorting of print products by the PSUPRB processor, additional options have been added to the file (figure 49-3). The site indicator determines who will

receive the listing: OPLOC only or OPLOC and Site. The PSUPRB code determines how the listing will be sorted.

#### **49.6 PROGRAM INITIATION.**

Once the Interface Parameter File is established, SIPS processing may be independently scheduled to input one or more of the previously defined interfaces. Using IPF to create a control record as described in figure 49-4, users may specify any combination of interface files for input to a single run of SIPS. The control record (use multiple control records if needed) is used to further define and supplement the information contained in the Interface Parameter File.

#### **49.7 SYSTEM DESCRIPTION AND PROCESSING.**

The interface system consists of a series of programs that run sequentially and are described in the following subparagraphs. See flowchart for a general overview (figure 49-5).

a. NBQI000UABS0 uses the Interface Parameter File (ZBQI0DUNDD40) and Interface Control File (ABQI0XUNDC10) to produce the temporary Interface Master Control File (ABQI0EUNDD20). This temporary file is used to control the input files and the output listings.

b. NBQII00UABS0 verifies the files required to run SIPS are available.

c. NBQ6400UABS0 extracts PSR and DSR data from the BQ database, and creates a readily accessible file for automatic address lookup by NBQI200UABS0. This program is executed with option 1 for all NBQI00 interfaces. During execution, the extract file is updated with any addresses created since the last time option 1 was ran. Option 2 of NBQI00 will not execute NBQ6400UABS0. For address lookup, the interface will utilize the previous extract file created from option 1 of a NBQI00 interface. This program should be executed after large quantities of PSRs and DSRs are created to prevent rejects or duplicate DSRs during interfaces.

d. A location with Louis II query capability, LBQBLD640FL is executed with NBQI00, option 1. This query executes NBQI00, option 1, in a timely manner and provides the same information as NBQ6400UABS0. Program NBQI00, option 2, will not execute LBQBLD640FL.

**NOTE:** VBQ64AUNDD10 and VBQ64DUNDD40 are only as current as the last time NBQ6400UABS0 or LBQBLD640FL was run, and not as current as the actual TIP database that is in use. Also, to ensure a high acceptance rate, all addresses in the database should be set up the same for same type records. NBQI00 reads on the FC, FY, OAC/OBAN, and BPAC when it converts 80-position records to 124 position records. Records existing with an OBY, and without an OBY (e.g., some as 306 others as 3066) in the database can cause NBQ640 to create the 124-position records incorrectly, and they will reject for NO ADRSS.

e. NBQI100UABS0 accesses all of the interface files requested in the Interface Master Control File, and copies the data to a temporary Data File (TBQI0CUNDD10).

f. NBQI150UABS0 reads all "E" and "R" records and distributes them as required. If the "E" and "R" records can be identified as belonging to the host AFO, the "E" records are processed, and the "R" records are placed in a file for use by program NBQE60 (figure 49-9). If the "E" and "R" records are identified as belonging to another AFO, and that AFO has a record in the VBQ61SUNDD90 file, the records are passed to ADRSS II and sent to the correct AFO (figure 49-10). If the records cannot be identified, an Unidentified Materiel E and R Records List (figure 49-11) is printed, and the records are placed in a ABQI3RUNDD90 file for manual identification and processing.

g. NBQI170UABS0 interfaces AFMC Daily MAFR "A" transactions and FMS accruals.

h. NBQI190UABS0 replaces NBQX10 for military personnel interfaces. See section 47 for further details.

i. NBQI200UABS0 edits each record in the temporary data file and attempts to find database addresses for those input records that have passed the edits. All records are rewritten to the temporary data file; records that have been matched to an address have the address placed in the record before being rewritten to the file; all other records are marked as rejects and then rewritten to the file.

j. NBQI300UABS0 splits the records from the temporary data file into two sorted files. The accepted records are placed in ABQI3AUNDD10 and the rejected records are placed in ABQI3BUNDD20.

k. NBQI400UABS0 produces consolidated and site listings of accepted records (ABQI4LUNPL10), depending on information contained in the ZBQI0DUNDD40 file, and disk file (ABQI4PUNDD10) for use by the PSUPRB process.

l. NBQI500UABS0 produces consolidated and site listings of rejected records (ABQI5LUNPL10) and files VBQI5#UNDD10 (where # = A through Z) of rejected records, depending on the information contained in positions 73-74 of the ZBQI0DUNDD40 file.

m. NBQI600UABS0 produces the Interface Run Summary List (ABQI6LUNPL10).

n. NBQI700UABS0 produces the ABQI7LUNPL10 list, which is a listing of rejected interface transactions that could not be identified as belonging to the host AFO.

o. NBQI800UABS0 extracts credits due the US Government from the BQ database and creates interface transactions to reclassify these extracted records (vendor 7/9 transfers).

p. NBQI95 is initiated by ECL RBQPI0. Program NBQI95 uses the ABQI4PUNDD10 file and instructions contained in the Interface Parameter Record (ZBQI0DUNDD40) to sort and distribute the printed products.

q. RBQPI0 ECL processes the most current cycle of the disk file (ABQI4PUNDD10) through the PSUPRB processor, and deletes the most current cycle of the disk file (ABQI4PUNDD10). Reference DFAS-DE 7071.2-M, paragraph 3.9.6.52.

r. NBQ114 processes the Korean Local National Payroll. Program NBQ113 uses the AHK12TUNDD30 file and instructions contained in the Interface Parameter Record (ZBQ10DUNDD40) to sort and distribute the printed products.

s. NBQI140UABS0 uses the ABQG5FUNDD10 file and does address look up for the corresponding fuels obligation DSR.

#### **49.8 UTILIZATION OF SYSTEM OUTPUTS.**

SIPS produces up to nine different output listings and multiple output disk files.

a. The first list (ABQI4LUNPL10, figure 49-6) identifies all accepted transactions. Transactions passing all basic SIPS edits and for-self transactions, which contained addresses on input, or were assigned addresses by SIPS, are reflected on this listing. Output listings are sorted and distributed by AFO/Site with major page breaks and headings for each input file, and file cycle. The listing is sorted by site, OAC, OBAN, fund code, fiscal year, appropriation, BPAC, sales code, MPC, RCCC, ESP, document number, and effective date with summary totals provided. Two additional fields are provided on the listing. An asterisk (\*) is displayed left of the AFO code field for those transactions that are written to the output PSUPRB disk file. When like transactions are summarized, a single output transaction identifying the asterisk is generated for the net amount. In addition, if a problem is encountered during processing regarding the assignment of addresses to for-self input transactions, one of the following special characters (#, <, and &) is displayed to the right of the post date field. The special character displayed is dependent on which of the following conditions occurred during processing.

(1) If the input action code was OD, RD, FD, or XD, and a PSRA and DSRA could not be assigned based upon an exact match of the input data to the database records, a partial match is performed:

(a) When all data elements match except BPAC, MFP, FMS line number, SMC and or EEIC, the matching criteria is altered. If the database record contains a blank in any of these fields and the input contains data, a match is assumed and the appropriate PSRA and DSRA is assigned. This altered match condition is signified by a less than sign (<) in the right-most position on the listing.

(b) If a PSRA and DSRA cannot be found using the modified matching criteria, SIPS attempts to locate higher level records (FSRAs and PSRAs) using the original matching criteria described in figure 49-2 (except for the document number). If a match is found, the transaction is flagged with a pound sign "#" in the right-most position of the listing and the action code is changed to OP or RP. This condition for reclassification of travel debts should never occur if the permanent DSRs were established IAW paragraph 30.33. If it

does, the DSRs created by SIPS should be reversed (after the DBT report has been sent) and new permanent DSRs established.

(c) Finally, if a match is still not found, SIPS attempts to assign the FSRA and PSRA using the modified matching criteria again. When all data elements match except for the document number, BPAC, MFP, FMS line number, SMC and or EEIC, the matching criteria is altered. If the database record contains a blank in any of these fields and the input contains data, a match is assumed and the appropriate FSRA and PSRA is assigned. This altered match condition is signified by an ampersand sign (&) in the right-most position on the listing, and the action code is changed to OP or RP. This condition for reclassification of travel debts should never occur, if the permanent DSRs were established IAW paragraph 30.33. If it does, the DSRs created by SIPS should be reversed (after the DBT report has been sent) and new permanent DSRs established.

(2) If the input action code was XP, OP, or RP, and an FSRA and PSRA could not be assigned based upon an exact match of the input data to the database records, a partial match is performed. When all data elements match except for the BPAC, MFP, FMS line number, SMC and or EEIC, the matching criteria is altered.

(3) If the database record contains a blank in any of these fields and the input contains data, a match is assumed and the appropriate FSRA and PSRA are assigned. This altered match condition is signified by a less than sign (<) in the right-most position on the listing.

(4) If the input action code was XP, OP, RP, FD, OD, RD, or XD and the FSRA, PSRA and or DSR could be assigned to the transaction using the criteria in figure 49-2, the right-most position on the listing will be blank.

b. The second list (ABQI5LUNPL10, figure 49-7) identifies transactions that were not prepared for PSUPRB processing because they were invalid or could not be assigned addresses (figure 49-7). As the rejected transactions are printed, they are written to the output disk files for subsequent correction. The output listings are sorted and distributed based on positions 74 and 75 of the corresponding entry in the Interface Parameter File (ABQI0DUNDD40). The listing has major page breaks and headings similar to the previous listing with the following exceptions.

(1) The summary indicator (left-most field) is replaced by the reject record key. The use of this key is described in paragraph 49.8e(3).

(2) The match indicator (right-most position) is not used.

(3) Error indicators are printed in lieu of the FSR/PSR addresses. These indicators are also described in table 49-1.

(4) The output reject qualifier and filename are printed on the top right corner of the listing.

c. The third list (ABQI6LUNPL10, figure 49-8) provides the initiating AFO a summary of SIPS processing.

(1) Each input file is listed and identifies the total number of records, which were summarized and passed to the output PSUPRB file. The number of input transactions, which were not accepted, is also printed. Other input file information is extracted from the control record (file code, AFO, Site Code, reversal indicator, effective date, reversal date, and file cycle) and the parameter file (disposition, qualifier, filename, title). The date and time the input file was created, or last accessed is also printed. Finally, if the input control record or parameter file contained errors, an error message is printed and processing of the requested input file is bypassed. Due to the combining of like transactions, a difference between the number of input records and the sum of records reflected as "passed" and "rejected" is possible. Transactions summarized are denoted by an asterisk.

(2) As described in paragraph a, accepted transactions are summarized and written to an output PSUPRB file. A separate file (also known as a file cycle) is created each time SIPS is processed. When PSUPRB processes and the transactions actually update the BQ database, that file cycle is deleted. The summary list identifies the creation of the latest PSUPRB file (ABQI4PUNDD10) and the number of summary transactions passed to the file. The listing also identifies the number of files created from previous runs of SIPS, but not actually processed through PSUPRB yet. See paragraph 49.8f for PSUPRB processing instructions. Finally, the interface summary identifies whether or not program NBQ640 was executed. See paragraph 49.7c.

(3) Rejected transactions are written to separate output disk files. The summary list provides a recap of the number of rejected transactions and files created.

d. ABQI7LUNPL10 - Reject/Research List. This listing will identify all unidentified transactions that are not compatible with the Base Variable File (i.e., AFO, ADSN, and Site code). The rejects will be manually routed back to the responsible AFO/site for research and reentry. See figure 49-12.

e. The transactions that fail basic SIPS edits or lack proper addresses are written to an output file for subsequent correction and reenter to SIPS. If time does not permit corrections to be made before the next SIPS run, any new reject transactions are added to the end of the preexisting reject file.

(1) Separate files can be created for each AFO and site. The file-ID is VBQI5#UNDD10 (where # = A-Z). See paragraph 49.5.

(2) Upon receipt of the SIPS Reject List (figure 49-7), the Accounting Division or accounting liaison office, in conjunction with other PC personnel, reviews the list and annotates corrections based on the instructions in table 49-1.

(3) The reject file is accessed in TIP from a blank screen using the command \*GET IREJ. The system accesses the proper file based on option "F" and the user selecting the proper qualifier and filename from the ABQI5LUNPL10 listing. Once the file is located, the Interface Reject Correction frame identified in attachment 3 is displayed. The key number on the top line corresponds to the key printed on the left side of the reject list. When using option "F", "I", or "N" in the screen mode, XMIT after the "KEY" field; otherwise, XMIT from the XMIT field. Options are as follows:

(a) (I)nquiry - Enter key number from the ABQI5LUNPL10 list and transmit to display desired record, which corresponds with key number.

(b) (N)ext - Transmit to display the next record following the record number identified.

(c) (M)odify - After using options "I" or "N" to find the desired record, make necessary corrections to the record displayed and transmit. To delete any character from a record, overlay the character with slash "/".

(d) (D)elete - Transmit to delete the record identified.

(e) (A)dd - Adds the record on the screen to the end of the file when transmitted.

(f) (F)ile - Enter the reject qualifier and filename as printed on the reject listing (ABQI5LUNPL10) and XMIT.

(g) Quit - Press function key F4 to quit.

(4) After all corrections are made, schedule SIPS processing using the procedures in paragraph 49.6, and include the file code of the appropriate reject file in the control record as input. Other interface files may be scheduled to process during the same time.

(5) If rejected transactions are entered directly into the BQ database through the remote instead of using the above corrective method, delete the reject file using the @DELETE Qualifier\* VBQI5#UNDD10 command in demand to delete all reject records from the file. Use the delete option ("D") to delete individual records from the file.

f. SIPS creates an output disk file, which is processed through the PSUPRB remote system (system code RU) using procedures contained in AFCSM 33-217 to update the BQ database. A special ECL (RBQPI0) is used to process the transactions into BQ. This ECL reads the disk file (ABQI4PUNDD10), processes it through PSUPRB, and deletes the ABQI4PUNDD10 file. The summary list described provides Accounting Division personnel with the information necessary to initiate the PSUPRB run. The ECL (RBQPI0) automatically initiates NBQI95, option 2. This program uses the PSUPRB listing (ABQPI1UNPL20) to create listings. One or more listings are created based upon input from the Interface Parameter Record. A "C" in the site indicator field of the

Interface Parameter Record creates a consolidated listing, which is sent to the OPLOC. An "S" in the site indicator field of the Interface Parameter Record generates individual listings for each site plus a consolidated listing to the OPLOC. Once the PSUPRB process is complete, the Accounting Division personnel use the PSUPRB listing (ABQPI1UNPL10) output from NBQI95 to correct any rejects encountered during processing of PSUPRB. The output listings are sorted based on information provided in the PSUPRB code field on the Interface Parameter Record. A blank space in the PSUPRB code field generates a listing that is sorted by order of input. A "M" in the PSUPRB field generates a three-part listing sorted by order of input. Part one contains all accepted transactions. Part two contains all management notices. Part three contains all reject messages. These rejects and management notices are identical to those received during an online session and the same corrective actions apply. They are not written to the output reject file as described in the previous paragraph. Rejects on the ABQPI1UNPL10, Interface Transactions Processed by PSUPRB, listing are identified by five asterisks in the left margin for both the sorted option and the order of input option. Rejected transactions are only displayed, without a site code, on the OPLOC listings. The site code pertaining to the transaction appears in the right margin for all transactions except those that rejected.

g. The interface process consolidates like transactions. This process drastically reduces the PSUPRB processing time as well as the transaction count extracted on the Selective Transaction History List used in compiling the work count for the 7104 report. To ensure the proper work count is reported, the following procedures must be followed: The interface summary end page PCN SH069-I6A provides a line "7104 Workload Adjustment for AFO x"; the number of transactions provided on this line should be added to the 02 detail of FAC 1511.

h. SIPS allows the user to automatically transfer "E" and "R" records from a supporting base/site to the funding accounting office. During materiel/medical interfaces, NBQI37 will sort "E" and "R" records that cites another station ADSN, and writes them to a unique filename. ADRSS transfers the file to the accountable ADSN utilizing File Transfer Protocol (FTP). The following procedures will assist in setting up the automatic transfer of "E" and "R" records.

(1) Bases requiring SBSS support from another base/site will forward a funding document (AF 616, MIPR, etc.) to the supporting base/site for the purchase of supplies. Upon receipt of the funding document in Materiel Accounting, coordinate with Accounts Control to establish a 61S record with a GV/BV AIS in the Base Variable File. The 61S record will be created with the ADSN from the funding document along with a unique distribution indicator code and site code, which should be the same.

(2) After the GV/BV record is established, Accounts Control must coordinate with the ADRSS monitor to establish the necessary ADRSS records needed to transfer the "E" and "R" records. Files transferred within the same platform will require a CID record only (figure 49-13). Files transferred outside the host system will require a RIF and a SAM record (figures 49-14 and 49-15) at the sending site, and a

CID record at the destination site. An 11-character standard filename (e.g., ABQI3XXXXXX, X = ADSN of receiving site) will be used as the destination file in the RIF record (figure 49-14). Accounts Control must notify the accountable office to set-up a CID record to capture the incoming "E" and "R" data (figure 49-16).

(3) During the interface of materiel/medical "E" and "R" records, program NBQI37 sorts the records by ADSN and writes them to file-ID ABQI3CUNDD## (where ## = distribution indicator code from the 61S file). Utilizing the ADRSS records established in paragraph (2), the data will be routed to the applicable base/site for their processing.

(4) At the accountable station, Accounts Control must coordinate with the ADRSS monitor to establish a CID record (figure 49-16) to capture the incoming data. The CID record will be set-up with 0J9000000000/IABQI3XXXXXX (X = ADSN of receiving site) as the incoming qualifier/filename. An "I" is programmatically added as the first character of the filename. The destination qualifier/filename will be the user qualifier with the standard BLAMES (file-ID ZBQ11IUNDD90). During end-of-day processing, the BLAMES file is copied into VBQ11IUNDD90 which will be used as the interface file for processing into the BQ system. Accounts Control must ensure this file is added to the Interface Parameter File (ZBQI0DUNDD40).

TABLE 49-1		
ERROR CONDITIONS AND CORRECTIVE PROCEDURES		
REJECT PHRASE	CONDITION	CORRECTIVE ACTION
NO ADDRESS	An appropriate FSRA/PSRA/DSRA could not be assigned.	Correct the transaction with one of the following: <ol style="list-style-type: none"> <li>a. Enter the correct addresses in the transaction. (SIPS will not attempt to reassign addresses, if they are present during subsequent processing.)</li> <li>b. Correct erroneous data so the proper addresses can be matched during subsequent SIPS processing.</li> </ol>
INV ADSN	The ADSN in positions 51-56 of the transaction could not be found in the 61S Base Variable File.	Since this ADSN is used to assign the proper AFO code for processing, it must be corrected prior to reprocessing.
INV ACT CODE	The input action code was invalid.	Correct action code and reenter.
NON NUMERIC AMT	The amount field is not numeric.	Correct amount field and reenter.
INV POST CODE	The post code is invalid.	Correct post code and reenter.
INV MAFR CODE	The MAFR code is invalid.	Correct MAFR code and reenter.
INV BY OTH CODE	The by-others code is not "O".	Correct by-others code and reenter.
INVALID DATE	The date field is not numeric.	Correct date field and reenter.

TABLE 49-1 (Cont'd)		
ERROR CONDITIONS AND CORRECTIVE PROCEDURES		
REJECT PHRASE	CONDITION	CORRECTIVE ACTION
NON NUM ADSN	The for-others ADSN contained in positions 11-17 of the transaction is not numeric.	Correct for-others ADSN and reenter.
INVALID DOC-ID	The voucher number or document number is missing.	Correct voucher number/document number and reenter.

## STANDARD INTERFACE FORMAT

<u>DATA ELEMENT</u>	<u>POSITIONS</u>	<u>SPECIAL INSTRUCTIONS</u>
Action Code	1-3	See section 15 for description and usage of data elements.
PSR/DSR Address	4-10	
FSR/PSR Address	11-17	Use with <b>Address</b> only.
For-Others ADSN	12-17	Use with <b>ADSN</b> only.
Post Code	18-19	
Amount - (Right-Justify and Zero-Fill)	20-29	
Document-ID	30-40	
Voucher Number	41-48	
By-Others Code	49	
MAFR Code	50	
ADSN	51-56	See note 1.
	57-58	Blank.
FMS CNC	59	
FMS Case	60-62	
FMS Country	63-64	
MFP	59-60	
Budget or MAP Project	59-62	
Subproject	63-64	
BPAC	59-64	
Dr GLAC	60-64	
EEIC	65-69	

Figure 49-1. Standard Interface Format.

<u>DATA ELEMENT</u>	<u>POSITIONS</u>	<u>SPECIAL INSTRUCTIONS</u>
SRAN/MPC	65-70	
SMC/CSI/CD	71-76	
CR GLAC	72-76	
Sales Code	77-79	
FMS Line	80-82	If for-others (FMS fund codes).
Detail RC/CC	81-86	
Budget Emergency/Special Project Code	87-88	
PC-Sub-PC	89-90	
Type Vendor	91	
Vendor/Debtor	92-95	
Appropriation	96-109	See note 3.
Fund Code	110-111	See note 3.
Fiscal Year/OBY	112-113	
OAC	114-115	
OBAN/ASN	116-117	
FMS Line	118-120	
Julian Date	121-124	See note 2.

**NOTE 1:** The ADSN is used to assign the AFO-ID.

**NOTE 2:** Enter YDDD of actual DOV date.

**NOTE 3:** If a fund code is available, use positions 110-111 and leave 96-109 blank. If a fund code is not available, enter the appropriation in positions 96-109 and leave positions 110-111 blank.

## MATCHING CRITERIA

<u>DESCRIPTION</u>	<u>SEQUENCE</u>
AFO Code	1
PC	2
Vendor Class	3
Appropriation	4
Fund Code	5
Fiscal Year	6
OBY	7
OAC	8
OBAN	9
RCCC	10
Sales Code	11
ESP	12
Document-ID	13
BPAC/MFP	14 (see note)
EEIC	15 (see note)
FMS Line Number	16 (see note)
SMC	17 (see note)

**NOTE:** When all data elements match except BPAC, MFP, FMS line number, SMC, and or EEIC, the matching criteria is altered. If the database record contains a blank in any of these fields and the input contains data, a match is assumed and the appropriate PSRA and DSRA is assigned.

Figure 49-2. Matching Criteria.

TITLE: INTERFACE PARAMETER RECORD

FILE-ID: ZBQI0DUNDD40

<u>DESCRIPTION</u>	<u>POSITIONS</u>	<u>SPECIAL INSTRUCTIONS</u>
AFO Code	1	Enter AFO code.
Site Code	2-3	Enter the site code of the base of the interfacing system. This should be the site code of the base that has the necessary information/documents to clear rejects.
File Code	4-6	Identifies the type of data being interfaced. Enter the locally assigned number; valid entries are 001-980. Example file codes are: CPAIS = 100, SBSS = 200, Reject File = 800.
File Type	7	Leave blank, if the input format conforms with the standard TRT (124-position) format, or the following files are required: AFMC Materiel Expense File (ABQI2AUNDD10), and Medical MAFR File (ABJKABUNDD10); otherwise, enter the file type. If the interface is Reject File, enter "R"; Materiel File (ABQE2UUNDC30) enter "Z"; Medical Expense File (ABJKAAUNDD10) enter "Z"; CPAIS File (AE4BQIUNDD10) enter "C"; MILPERS File (ABQX0AUNDD10) enter "P"; CPAS MAFR A Transactions File (ABQI2BUNDD20) and FMS Accruals File (ABQI2CUNDD30) enter "S". If the interface is the Korean National Payroll System (HK), enter "V". If Fuels Payment file (ABQG5FUNDD10) enter "F".
File Disposition	8	This field specifies what is to be done with the interface file at the completion of the run. Valid entries are: "D" Delete file from disk. "R" Retain the file as is; "E" Empty data from file, but will leave file on disk. "C" Cycle file.

Figure 49-3. Interface Parameter Record Format.

<u>DESCRIPTION</u>	<u>POSITIONS</u>	<u>SPECIAL INSTRUCTIONS</u>
File Qualifier	9-20	File qualifier provided by the interfacing system. Use local qualifier for the Reject File.
File-ID	21-32	File-ID provided by the interfacing system. For vendor 7-9 transfer, enter "7-9TRANSFER".
File/Report Title	33-72	Enter a short descriptive name for the interface file. This name appears in the headings of the output listings.
Reject File Code	73	Specifies the 6th position of the reject VBQI5#UNDD10 filename (# = A-Z).
Reject File Type	74	This field will determine positions 11 and 12 of the reject file qualifier. Valid entries are: "C" to create one consolidated reject file; "S" to create site reject files where positions 11 and 12 of the qualifier will be the distribution indicator from the VBQ61S. <b>NOTE:</b> If not set to "S", the "C" will be assumed as the Reject File Type. If set to "S", the SIPS print distribution indicator will also be set to "S".
PSUPRB Print Dist	75	This field is used to determine the distribution of PSUPRB listings. Valid entries are "C" to create one consolidated list; "S" to create site and consolidated (OPLOC) listings.
PSUPRB Sort Option	76	This field is used to determine the sort of the PSUPRB print. Valid entries are: "M" to sort by accepted, accepted with management notices, and rejects; to receive print by input sequence, leave blank.

Figure 49-3. Interface Parameter Record Format. (Cont'd)

<u>DESCRIPTION</u>	<u>POSITIONS</u>	<u>SPECIAL INSTRUCTIONS</u>
--------------------	------------------	-----------------------------

SIPS Print Dist	77	This field will be used to determine the distribution of the accepted and rejected listings. Valid entries are "C" to create consolidated listing for the OPLOC only; "S" to create site and consolidated (OPLOC) listings.
RESERVED	78-80	Blank.

Figure 49-3. Interface Parameter Record Format. (Cont'd)

TITLE: INTERFACE CONTROL RECORD

FILE-ID: ABQIOXUNDC10

<u>DESCRIPTION</u>	<u>POSITIONS</u>	<u>SPECIAL INSTRUCTIONS</u>
AFO Code	1	Enter AFO code.
Requesting Site Code	2-3	Enter the site code of the location requesting the interface. Normally, the OPLOC or Host AFO/ Site.
File Code	4-6	Enter the file code (001-989) which corresponds to the desired interface file specified in the parameter file. Codes 990-999 are reserved.
Effective Date	7-10	Enter the Julian date (YDDD) to be placed in the effective date field of the output PSUPRB transactions. This date will override the date contained in the input transaction file. If no date is entered, the transactions effective date will be obtained from the input interface transaction. If the interface date is blank, the current computer post date will be used.
File Cycle	11-14	Obtain from the interfacing system. If left blank, the latest cycle will be used. For reject files, this will always be blank.
Reversal Code	15	Enter "R" to reverse the action and post codes when the input transactions are written to the PSUPRB output file. Use this to reverse erroneous or duplicate interface runs that have updated the database.
Second File	16-27	Repeat positions 4-15 for remaining files or leave blank, if not needed.

Figure 49-4. Interface Control Record Format.

<u>DESCRIPTION</u>	<u>POSITIONS</u>	<u>SPECIAL INSTRUCTIONS</u>
--------------------	------------------	-----------------------------

Third File 28-39

Fourth File 40-51

Fifth File 52-63

RESERVED 64 Leave blank.

The remainder of this record applies to travel debt reclassification and should be left blank. Use positions 65-80 for interfacing travel debt reclassification, and leave positions 4-64 blank.

AFO Code 65 Enter the AFO code for the travel reclassification transactions.

RESERVED 66 Leave Blank.

Effective Date 67-70 Enter the Julian date (YDDD) when the reclassification transactions should be effective. Generally, this should be the last Julian date of the previous month.

RESERVED 71 Leave Blank.

Reversal Date 72-75 Enter the Julian date (YDDD) when the reclassification transactions should be reversed. Generally, this should be the first Julian date of the current month.

RESERVED 76-80 Leave Blank.

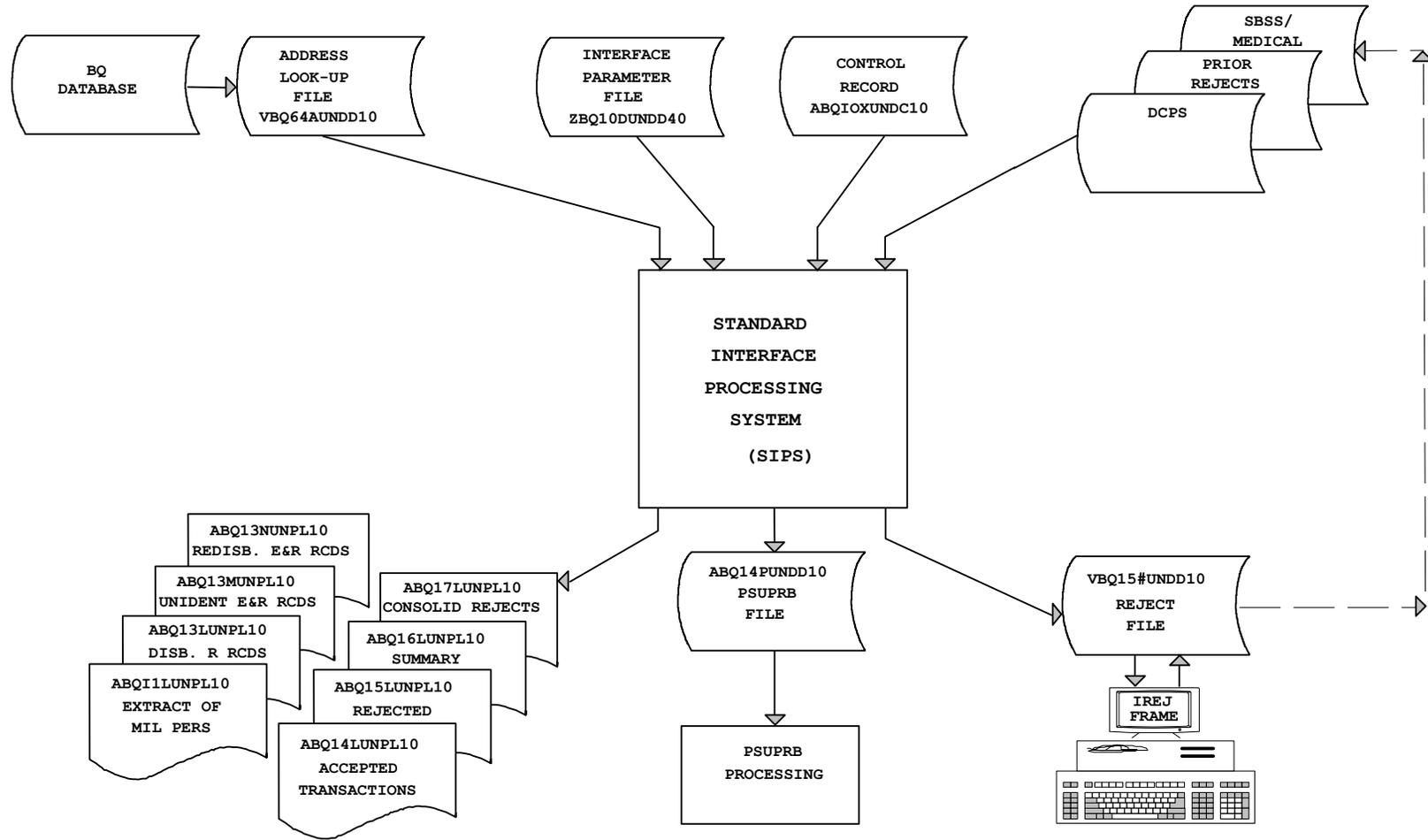


Figure 49-5. Interface Flowchart.

PREPARED 99 MAY 13 AT 17:46  
 INPUT FILE - ABQX0AUNDD10( ).

ACCEPTED MIL-PER TRANSACTIONS  
 ADSN - 525300 SCOTT AFB

AS OF 99 MAY 13

PCN SH069-I4A

A	FSR/PSR	A	P	IBP	I	BPAC	ESP MPC	SMC	ASN								
F P	OR	C	S	DOV NR	D	MAFR	MFP	FMS EEIC	MIL-ST	FB	OAC	POST					
O C	PSR/DSR	ADSN	T T	AMOUNT	DOCUMENT	NR N	CODE	D-GLAC	LNE SRAN	C-GLAC	SC	RC/CC	APPROPRIATION	FC	YY	OBAN	DATE
*0 P	P003688	F000193	OP XE	28,886.00	MIL-PAY	9			20101			100100		9A	44	65NH	3318
*0 P	P020823	F000193	OP XE	13,332.00	MIL-PAY	9			20101			100103		9A	44	65NH	3318
*0 P	P002567	F000193	OP XE	24,442.00	MIL-PAY	9			20101			100104		9A	44	65NH	3318
*0 P	P023049	F000193	OP XE	9,999.00	MIL-PAY	9			20101			100105		9A	44	65NH	3318
*0 P	P003692	F000193	OP XE	11,110.00	MIL-PAY	9			20101			100110		9A	44	65NH	3318
*0 P	P003694	F000193	OP XE	13,332.00	MIL-PAY	9			20101			100120		9A	44	65NH	3318
OAC/OBAN/FC/FY/APPROPRIATION TOTALS																	
	/C		.00 /0	.00	/U		.00	/E	101,101.00/F		.00	/R	.00	/MISC		.00	
GRAND TOT/C			.00 /0	.00	/U		.00	/E	101,101.00/F		.00	/R	.00	/MISC		.00	

Figure 49-6. Accepted MIL-PER Transactions.

PREPARED 99 AUG 13 AT 17:46		REJECTED MIL-PER TRANSACTIONS										AS OF 99 AUG 13		PCN SH069-I5A		
INPUT FILE - ABQX0AUNDD10( ) .		ADSN - 525300 SCOTT AFB														
REJECT A	A P	IBP	I MC BPAC	ESP MPC	SMC							O				
RECORD F P	C S	DOV NR	D FD MFP	FMS EEIC	MIL-ST							FB OAC/ POST				
KEY O C	*- ERRORS	-----*	T T	AMOUNT	DOCUMENT NR	N RE	D-GLAC	LNE	SRAN	C-GLAC	SC	RCCC	APPROPRIATION	FC YY	OBAN	DATE
000086	O P	NO ADDRESS	OP XE	444.00	MIL-PAY	9			20102			213010		9A 44	65NH	3318
000087	O P	NO ADDRESS	OP XE	222.00	MIL-PAY	9			20102			224140		9A 44	65NH	3318
OAC/OBAN/FC/FY/APPROPRIATION TOTALS																
/C		.00	/O	.00	/U	.00	/E	666.00	/F	.00	/R	.00	/MISC			.00
GRAND TOT/C		.00	/O	.00	/U	.00	/E	666.00	/F	.00	/R	.00	/MISC			.00

Figure 49-7. Rejected MIL-PER Transactions.

PREPARED 99 AUG 13 AT 17:47

INTERFACE SUMMARY LIST  
SCOTT AFB IL

AS OF 99 AUG 13

PCN SH069-I6A

FILE CODE	AS	DR	RPT/	REV	TRAN	FILE IDENTITY	QUALIFIER	NAME	CYC	DATE	TIME	REPORT TITLE / ERROR MESSAGE	RECORDS ACCEPT	REJECT
444	0	00	R			3BQ060548500 ABQX0A			1	-TAPE-		***** TEST DATA - MIL-PER *****	20	10

\*----- ACCEPTED TRANSACTIONS FOR PSEUDO -----\*

3BQ060548500 ABQI4PUNDD10	61
* 4 OTHER ABQI4PUNDD10 PSEUDO FILES REMAIN TO BE PROCESSED. *	

7104 WORKLOAD ADJUSTMENT FOR AFO 3 103

\*----- REJECTED TRANSACTIONS -----\*

0	3BQ060548500 VBQI5AUNDD10	135
2	3BQ060548500 VBQI5CUNDD10	2
3	3BQ060548500 VBQI5DUNDD10	2
4	3BQ060548500 VBQI5EUNDD10	4

\*\*\* PROGRAM NBQ640 WAS NOT EXECUTED \*\*\*

PROGRAM NBQI60 VERSION DATE IS 06/23/99

PCN SH069-I6A

END PAGE 1

Figure 49-8. Interface Summary List.

RECORD	1	2	3	4	5	6	7	8	9
COUNT	1234567890123456789012345678901234567890123456789012345678901234567890								
1	R3026442A8504000			6094201500ZFB301035VA229000000033672	0000000000	0000500000			

OUTPUT FILE - IBQ0605585E1\*VBQIZFUNDD10(+ (.

PROGRAM NBQ135 VERSION DATE IS 07/07/99.

Figure 49-9. R Records Held for NBQE60 Processing.

PREPARED 99 OCT 25

LIST OF MATERIEL "E" AND "R" RECORDS ADDRESS II AS OF 99 OCT 25 PCN SH069-13C  
FOR ADSN 525300

RECORD COUNT	1	2	3	4	5	6	7	8	9
	12345678901234567890123456789012345678901234567890123456789012345678901234567890								
1	ADRCTLABQ13CNBQ137525300			FFEAOO					
2	E58041D6A5525300		6284201010Z	B3010607	2290000000000	[000464200			
3	E58041D6A5525300		6284201010Z	B3010607	2290000000000	[000464200			
4	E58241D6A5525300		6274891680A	B3010609	2290000000000	0000046000			
5	E58241D615525300		6274891680Z	B3010609	2290000000000	0000046000			
6	E58141D6A5525300		6094201010Z	B3010610	2290000000000	0000000000	0000160000		
7	E58241D6A5525300		6284201010Z	B3106610	2290000000000	0000019270			
8	E58241D6A5525300		6284201010Z	B3106610	2290000000000	0000019270			
9	E58141D6A5525300		6284201010Z	B3106610	2290000000000	0000019270			
10	E58241D6A5525300		6094521010Z	B3010611	2290000000000	0000057581			

PCN SH069-13C

END PAGE 1

PREPARED 99 OCT 25

UNIDENTIFIED MATERIEL E AND R RECORDS  
FOR ADSN 667100

AS OF 99 AUG 13

PCN SH069-13B

RECORD	1	2	3	4	5	6	7	8	9
COUNT	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890	1234567890
1	R54266227A5667100			6094M22202??B3010600		2290000000000000		0005139043	0001100000

Figure 49-11. Unidentified Materiel E and R Records.

PREPARED 99 NOV 04

REJECT RESEARCH LIST

AS OF 99 NOV 04

PCN SH069-I7A

INPUT FILE - \* TRAVEL \* ( ) .

TEST DATA - BEAMS  
FOR ADSN - 525300 SCOTT AFB IL

REJECT A	A P	IBP	I MC MFP	FMS EEIC	MIL-ST	BPAC	ESP MPC	SMC	0	
RECORD F P	C S	D0V NR	D FD M-GLAC	LNE SRAN	C-GLAC	SC	RCCC	APPROPRIATION	FC YY	OBAN DATE
KEY 0 C	*--	ERRORS	----	*	T T	AMOUNT	DOCUMENT	NR N	RE D	
000001	S	INVALID ADSN-*NONE*	RP EX	20,640,310.00	MAT DIST	9		B8	300400	50 44 5220 3318
000002	S	INVALID ADSN-*NONE*	OP XE	20,640,310.00	MAT DIST	9		B8	300400	50 44 5220 3318

OAC/OBAN/FC/FY/APPROPRIATION TOTALS

/C	.00 /0	.00 /U	.00 /E	.00 /F	.00 /R	.00 /MISC	.00
GRAND TOT/C	.00 /0	.00 /U	.00 /E	.00 /F	.00 /R	.00 /MISC	.00

\* PROGRAM NBQI70 VERSION DATE IS 10/28/94

PCN SH069-I7A

Figure 49-12. Reject Research List.

**EXAMPLE OF ADRSS SCREENS**

AUTOMATED DATA REPORTS SUBMISSION SYSTEM							
COLLECT INCOMING FTP/DDN (CID)							
A	INCOMING		DESTINATION		REC	APP	STRIP
C	QUALIFIER	FILE-NAME	QUALIFIER	FILE-NAME	LEN	OPT	TEXHD
A	1BQ090128500	ABQI3CUNDD##	3BQ090128500	ZBQ11IUNDD90	0080	Y	N
	_____	_____	_____	_____	_____	-	-
	_____	_____	_____	_____	_____	-	-
NEXT SCREEN.....: _____					( HELP SCREEN: ! HELP FIELD: ? )		

**ACTION TAKEN:** This is an example of an E and R file transferred within the same platform. See attachment 8.

Figure 49-13. ADRSS Collect Incoming DDN/FTP (CID).

```

AUTOMATED DATA REPORTS SUBMISSION SYSTEM

REPORT INFORMATION FILE (RIF)

ACTION: A
CONTROL FIELD RCS          CIC  MAJCOM          FILE-ID SEQ
1ST: _____ NBQI37     FFEA  TO: ___    BQUC##  011
2ND: _____          FROM: ___    LISTING: Y TO INFO
                                MINIMIZE: Y
                                ALTERNATE ROUTING: N

TRANSFER MODE: FTP: Y ICI: N AUTODIN: N
DDN OPTIONS: A A S F AL
DESTINATION FILE: ABQI3XXXXXXX (Note 2)
DDN SITE INFO:

          ALN
ACTION SEQ ALN NUMBERS
-      01  &&&&
          (Note 3)
ALN  ROUTE          IP ADDRESS          LOCATION
____  _____  _____

NEXT SCREEN.....: _____ ( HELP SCREEN: !  HELP FIELD: ? )

```

**ACTION TAKEN:**

1. The CID record must be created if files are sent to another AIS outside the host computer. Verification of a valid RTE record is established for each ALN applicable, or the establishment of the RIF record will reject. See attachment 8.
2. The standard destination filename (X = receiving site ADSN) is loaded in the CID record at the receiving system (base). See attachment 8. An "I" is programmatically placed as the first character by ADRSS.
3. The &&&& represents the ALN number of the location receiving the file.

Figure 49-14. ADRSS Report Information File (RIF).

AUTOMATED DATA REPORTS SUBMISSION SYSTEM									
SEARCH AND MOVE					(SAM)				
A	QUALIFIER	FILENAME	REC LEN	RIF FILEID	KEY SEQ	PRIV ACT	SUPP FROM	ADDL SUPP	SRCH DISABL
C								FROM	
-	<u>#####</u>	<u>%%%%%%%%%%</u>	0080	<u>&amp;&amp;&amp;&amp;&amp;</u>	<u>\$\$\$</u>	N	!!!!!!!!!!!!!!!		-
				EXAMPLE					
A	1BQ0<ALN>PLN	ABQI3CUNDD##	0080	BQUC##	011	N	503000	DAYTON	-
-	_____	_____	_____	_____	_____	-	_____	_____	-
-	_____	_____	_____	_____	_____	-	_____	_____	-
-	_____	_____	_____	_____	_____	-	_____	_____	-
-	_____	_____	_____	_____	_____	-	_____	_____	-
-	_____	_____	_____	_____	_____	-	_____	_____	-
-	_____	_____	_____	_____	_____	-	_____	_____	-

NEXT SCREEN.....: \_\_\_\_\_ ( HELP SCREEN: ! HELP FIELD: ? )

**ACTION TAKEN:**

1. The ##### and %%%%%%%%%% represents the qualifier/ filename of the file to be transferred. See attachment 8, figure A8-2, notes 1 through 3.
2. The &&&&& and \$\$\$ represents the 6-position file-ID and sequence number established in the RIF record for this file. See attachment 8, figure A8-2, notes 4 and 5.
3. The !!!!!!!!!!!!!!! represents the sending AFOs ADSN and Base/ OPLOC.

Figure 49-15. ADRSS Sam and Move (SAM).

AUTOMATED DATA REPORTS SUBMISSION SYSTEM							
COLLECT INCOMING FTP/DDN (CID)							
A	INCOMING		DESTINATION		REC	APP	STRIP
C	QUALIFIER	FILE-NAME	QUALIFIER	FILE-NAME	LEN	OPT	TEXHD
A	0J9000000000	IABQI3XXXXXX	3BQ0<ALN>PLN	ZBQ11IUNDD90	0080	Y	N
	_____	_____	_____	_____	_____	-	-
	_____	_____	_____	_____	_____	-	-
NEXT SCREEN.....: _____ ( HELP SCREEN: ! HELP FIELD: ? )							

**ACTION TAKEN:**

1. This example shows the CID record used to capture the data file at the receiving system. See attachment 8.
2. Standard data for this record is the incoming qualifier, which will always be 0J9000000000 along with "ANONYMOUS/GUEST" as the User-ID/Password. The incoming filename will consist of an "I" followed by the first eleven positions of the standard destination filename contained in the RIF record.
3. The destination qualifier/filename represents the actual qualifier/filename used by the receiving AIS for processing.

Figure 49-16. CID Record for DDN/FTP Transfer.