SECTION 60. GAFS GENERIC EXTRACT POST PROCESSOR

60.1 GENERAL.
The generic extract post processor, program NBQ810, was developed to reformat information extracted from the General Accounting and Finance System (GAFS) to a format that satisfies end user requirements. The GAFS has ongoing requirements to interface transaction data to other accounting and information systems, in some cases, systems that require a standard input format from a variety of systems. The GAFS generic extract post processor program obtains input from the GAFS generic extract of the Daily History File (ABQ13GUNDD70). The transactions are reformatted and written to an output interface file based on documented end user requirements. The generic extract post processor provides the users flexibility to satisfy customer requirements without changing GAFS transaction formats.

60.2 DFAS CORPORATE DATABASE (DCD) INTERFACE. The initial application of the GAFS generic extract post processor is to provide input to the DCD Standard General Ledger (SGL). GAFS daily transactions are extracted by generic extract from the data file (ABQ13GUNDD70) and reformatted into a standard format, which complies with the DFAS Corporate Database (DCD) input format. The format output from GAFS is consistent with the output from the Command Online Accounting and Reporting System (COARS), the Central Procurement Accounting System (CPAS), and the Status of Funds (SOF). Output transactions from NBQ810 are written to the output file (ABQ81AUNDD10) and sent via FTP to the DCD platform centrally located at Defense Enterprise Computing Center (DECC) Ogden. Transactions received from feeder systems are stored in the DCD Data Warehouse and the data is converted to a DoD Standard General Ledger (SGL) code and updates the DCD/SGL.

60.3 POST PROCESSOR INPUT SOURCE.
Input data to the post processor for DCD is obtained from the GAFS generic extract output file (ABQH1DUNDD10). The ABQH1DUNDD10 file contains data extracted from the Daily History File (ABQ13GUNDD70). See section 50 of this manual for instruction on processing the GAFS generic extract program. The following information is provided to populate the GNXT and GNXT2 displays to obtain the correct output from the GAFS generic extract program. Items highlighted in bold face are required input and literal fields are described in the notes to each input display:

```
(GNXT,)                GENERIC EXTRACT SELECT CRITERIA

ACTION CODE= A     (A=ADD,C=CHANGE,D=DELETE,N=NEXT,V=VIEW)
      RECIPIENT CODE= DCDB   REC SUFFIX= D00 (ANY ALPHANUMERIC CHARACTER)
               SEQ NO= 001    FILE MEDIA= D
RECORD LEVEL DESIRED= C     (P=PSR,D=DSR,C=13G,A=J4D,X=13D)
     MASS CHANGE EXT= N     (Y=EXTRACT MASS CHANGE,N/BLANK=NO)
                            FORMAT= [0005]
--------------------------SELECT MATCH CRITERIA--------------------------------
        AFO= *         SITE CODE= **          FUND TYPE=    FUND CODE= **
      APPRO= **************  OAC= **               OBAN= **   FIS YEAR= *
   OBL YEAR= *               MFP= **            PROG ELE= ****** FUNCT CODE= **
     ( BPAC= ****** )      ( PROJ=              SUB PROJ=    )
 ( MAP PROJ=           MAP CNTRY=    )
 ( FMS CASE=           FMS CNTRY=    )
     < EEIC=       >       < MPC= ****** >       < TASK=      >
     < BAAN=     >        < SRAN=        >
        CSI= *        SALES CODE= ***             RC/CC= ******
        ESP= **               PC= *               CLERK= *          BAL-ID= *
  ACTION-CD= **          POST-CD= **          REMOTE ID= *****         ILC= **
   TYPE-REC= *               FTI= Z                                    XMIT
```

NOTE: FTI Field should contain a Z.

```
GNXT2                MASTER FILE OF FORMAT SPECIFICATIONS

FORMAT NUMBER  [0005]  DUMP RECORD  [N]  (Y/N)  DELIMIT  [N]  (Y/N)  WITH  [_]
HEADER ["GAFS_DENVER(9 SPACES)";'DATE;'TIME;"D"_________________________________]
COMMANDS [SIZE_999999;SPACE_0;_ZERO_ON;_________________________________________]
         [_______________________________________________________________________]
DETAIL  [13G-APPRO;_13G-FUND-CD;_13G-FY-PY;_"ADSN";_13G-BQ-SITE;_13G-OAC;_______]
FIELDS  [13G-OBAN;_13G-CONT-CAT;_13G-MFP;_13G-BPAC;_13G-PROG-ELE;_13G-MPC;______]
        [13G-SALES-CD;_13G-ORIG-FT;_13G-RC-CC;_13G-ESP;_13G-PC;_13G-CLERK;______]
        [13G-TYPE-VNDR;_13G-VENDR;_13G-ACT-1ST;_13G-ACT-2ND;_13G-POST-CODE;_____]
        [13G-BAL-ID;_13G-AMOUNT;_13G-DOC-ID;_13G-DOV-NR;_13G-EFF-DATE;__________]
        [13G-POST-DATE;_13G-FUND-TYPE;_"BQ";_"CD";_"SYSTEMDATE";_SEQU___________]
        [_______________________________________________________________________]
        [_______________________________________________________________________]

        [_______________________________________________________________________]
DETAIL  [01;02;03;04;05;06;07;08;09;10;11;12;13;14;15;16;17;18;19;20;21;22;23;_]
FORMAT  [24;25/17;26;27;28;29;30;31;32;33;34____________________________________]
SORT  [_________________________________________________________________________]
FOOTERS [COUNT;_SUM_25/17_______________________________________________________]

FURTHER PROCESSING RUNSTREAM [BQ$$(ALN*00.DBQ810___________________]
                                                        VERSION: [990301]
(A) ADD (U) UPDATE (N) NEXT (D) DELETE (V) VIEW (X) EXIT [A] OPTION     [X] XMIT
```

NOTE 1: Enter the first four positions of the ADSN for your OPLOC location in the detail ADSN.

NOTE 2: Enter the literal "BQ" in the detail BQ.

NOTE 3: Enter the following code that applies to your OPLOC location in the detail "CD".

Denver:	DE	(ADSN 875800)
Lowry:	LO	(ADSN 380100)
San Antonio:	SA	(ADSN 660700)
San Bernardino:	SB	(ADSN 672300)
Dayton:	DY	(ADSN 503000)
Omaha:	OM	(ADSN 525700)
Limestone:	LI	(ADSN 667100)
Orlando:	OR	(ADSN 662400)
Pacific:	PC	(ADSN 668300)
Korea:	KS	(ADSN 677800)
Japan:	JP	(ADSN 668800)
Europe:	EU	(ADSN 678900)
Howard:	HW	(ADSN 660900)

NOTE 4: Enter the literal "SYSTEMDATE" in the detail "SYSTEMDATE".

60.4 POST PROCESSOR OUTPUT. The DCD receives the ABQ81AUNDD10 file from GAFS after each BQ End-of-Day process is completed and the GAFS generic extract is run. Program NBQ810 is started by the generic extract process when the further processing runstream block of the GNXT2 displays BQ$$(ALN)*00.DBQ810. After generic extract has run and created the ABQH1DUNDD10 file, program NBQ810 is started automatically, reformats GAFS transactions to the DCD formats, and creates the output to the DCD. The file is transferred to the DCD using FTP procedures identified in attachment 8. The post processor modifies certain fields and records and reformats date fields into a format, figure 60-1, which can be processed by the DCD. The following is a brief description of the actions accomplished by the BQ Generic Extract post processor:

a. Dates in the Julian date format are expanded to a YYYYMMDD format. Additionally, dates output from BQ Generic Extract display as YYYY/MM/DD. The post processor removes the "/" separators and restores the date to the YYYYMMDD format.

b. Multiuse fields such as the BPAC/Project and the EEIC fields are unpacked and the various elements written to separate fields in the output file. The DCD has no multiuse fields; therefore, BQ data must be converted.

c. Amount fields output by the BQ Generic Extract are not the correct lengths specified in the DCD format. These fields are expanded and signed prior to DCD submission.

d. The DCD output files requires a header record (figure 60-2) with file dates, file summary totals and transaction count. The required information is available in either the header or the trailer record from the BQ Generic Extract. The post processor combines the header and trailer records to form a new header in the required format.

DCD OUTPUT TRANSACTION FORMAT			
DESCRIPTION	POSITION	FIELD LENGTH	COMMENT
Department	1-2	2	
Transfer Department	3-4	2	
Blank	5-6	2	Filler
Symbol	7-10	4	
Limit	11-14	4	
Fund Code	15-16	2	
Fiscal Year	17	1	
ADSN/Site Code	18-23	6	
OAC	24-25	2	
ASN/OBAN	26-27	2	
AG/SAG	28-29	2	
BA	30-31	2	
BPAC	32-37	6	
Blank	38-40	3	Filler
Project/Subproject	41-46	6	
Program Element	47-52	6	
EEIC	53-55	3	
MPC	56-59	4	
Advance/Progress Pay (ADV-CC)	60-63	4	
CAAS/Contract Category Code	64-66	3	
BAAN	67-70	4	
Sales Code	71-73	3	
RC/CC	74-79	6	
ESP	80-81	2	
Type Vendor	82	1	
Action Code	83-84	2	
Post Code	85-86	2	
Blank	87-90	4	Filler
Amount	91-115	25	
Document Number	116-136	21	
Blank	137-150	14	Filler
MAFR DOV Number	151-161	11	Left-Justify
Blank	162	1	Filler
Blank	163	1	Filler
Effective Date	164-171	8	YYYYMMDD
Post Date	172-179	8	YYYYMMDD
Fund Type	180	1	
ACRN	181-182	2	
Blank	183-183	4	Filler
Blank	187-188	2	Filler
Audit Number	189-200	12	BQ/Site Code/Date
Sequence Number	201-210	10	

Figure 60-1. GAFS-DCD Transaction Format.

GAFS-DCD FILE HEADER FORMAT			
DESCRIPTION	POSITIONS	FIELD LENGTH	COMMENT
Source System	1-20	20	Source-ID (GAFS Denver)
File Creation Timestamp	21-34	14	YYYYMMDDHHMMSS
Record Count	35-44	10	Detail Transaction Count
File Total Dollar Value	45-82	38	Sum Total of Details
Prev File Creation Timestamp	83-96	14	YYYYMMDDHHMMSS
Transaction File Type	97	1	"D" for daily file
Filler	98	1	Blank
Total Record Length		98	

Figure 60-2. Header Record - GAFS-DCD Interface File.