

Weekly Board Extract Process for  
**Diamond 725/MACSIS Affiliation File**  
[JAFFILM0.DAT]

There are some County Board/Consortium which are using the **AFFIL** Diamond 715 keyword to record Subscriber specific information. We have been asked to provide weekly extracts of this file for a set of requesting Boards - - currently Cuyahoga Mental Health (18M) and Montgomery (57). This documentation describes the extract and SAS process being used to create these tilde delimited ASCII extract files related to the Affiliation File (JAFFILM0.DAT).

Note: There are specific Policy limitations on what kind of subscriber/member information may be captured in the on-line Diamond 725 system. If you wish to begin using this file, be sure to clear the nature of your records with the MACSIS Management Team (MOM): please be sure to contact Joe Wiant ([wiantj@mh.state.oh.us](mailto:wiantj@mh.state.oh.us)) of ODMH or Rudy Rodriguez ([rodriguez@ada.state.oh.us](mailto:rodriguez@ada.state.oh.us)) of ODADAS.

These affiliation requests extracts will only be constructed upon request. Boards are required to mark any and all records they wish to be included in such extracts with their assigned security code. The affiliation file is sub-divided into Board/Consortium subsets based on the security value of the records in the affiliation file itself.

**The Affiliation File: JAFFILM0.DAT**

There are 11 variables in the Affiliation File, including

SAS	Description	Diamond	Length	Form
Name		Name		
SUBNO	Subscriber Number	INSUBNO\$	12	
INPERNO	Person Number	INPERSNO	02	
AFFCODE	Affiliation Code	INAFFILCD\$	05	
EFFDATE	Effective Date	INEFFDT\$	08	YYYYMMDD
TERMDATE	Termination Date	INTERMDT\$	08	YYYYMMDD
AFFILNO	Affiliation Number	INAFFILNO\$	10	
COMMENT1	Comment 1	INCOMMENT1	60	
COMMENT2	Comment 2	INCOMMENT2	60	
INSCODE	Security Field	SECUR\$	01	
CDTSTMP	Create Date Time Stamp	CREAT\$	15	YYYYMMDDHHMMWHO
UDTSTMP	Update Date Time Stamp	UPDAT\$	15	YYYYMMDDHHMMWHO

The time stamp variables (CDTSTMP and UDTSTMP) both have a 15 byte nature: the first eight are the date (in YYMMDD) that file was first created and last updated respectively. HHMM is the hour and tenth of an hour of the creation or update; WHO are the three letter user identifier.

All records are extracted from the JAFFILM0.DAT file in the Diamond 725 MACSIS Production database using an AFFIL FCONF-Template and subsequently processed through a SAS program to divide the records into Board/Consortium subsets and then construct tilde-delimited ASCII data files (one per Board/Consortium). The data are extracted on a weekend schedule, generally happening Friday evening or Saturday daytime.

**Weekly Extract File**

The all records file is sub-divided into Board/Consortium subsets on the basis of the values found in the INSCODE (Security Field). Keep in mind that individual Weekly extracts files are constructed only for Boards which specifically have requested this effort - - as of April, 2000 this means that two (2) weekly extracts are being constructed:

<b>Board/Consortium</b>	<b>Security</b>	<b>Extract Naming Convention</b>
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		Code(s)	
1	Cuyahoga Mental Health (18M)	C,T	amonyy.group_18m.gz
2	Montgomery (57)	M	amonyy.group_57.gz

The file name convention amon.group\_xx.gz represents a gnu zipped tilde delimited file. Within the file name, please understand the following encoding

a	Affiliation extract
mon	month
yy	year
group	Board
xx	Board/Consortium Number
gz	indication it's a gnu zip archive file

These .gz files are placed in the respective Board/Consortium “extracts” sub-directory on the mhub server (full name is [mhub.odn.state.oh.us](http://mhub.odn.state.oh.us) - - this is the MACSIS FTP server). Boards should FTP these data files down to their local LAN or PC. Note: .gz (like .zip) files MUST BE FTP'ed in BINARY MODE! The WinZip software from PKWARE, Inc. can be used to unpack or unzip .gz construction – there are other third party, public domain, and shareware tools as well. If you have some difficulty dealing with your .gz files, please contact the MACSIS Technical Support Team.

These extracts are scheduled for construction every weekend – probably appearing on the mhub server sometime between Friday and Sunday midnight, more than likely by Saturday afternoon. Boards are strongly encouraged to leave no more than the most recent extract on the server. Good housekeeping practices call for all old extracts to be removed from the central server; MACSIS Technical support folks are licensed to delete any file over 30 days old on the server (without notice or backup).

### The Tilde Delimited ASCII File

The .gz file contains a tilde delimited ASCII file of a Board/Consortium’s data: all those records in the Affiliation file of MACSIS Production which contain the appropriate security code. Line one of this file contains the variables names: it looks like this:

SUBNO~INPERNO~AFFCODE~EFFDATE~TERMDATE~AFFNUMB~COMMENT1~COMMENT2~  
 INSCODE~INCSTMP~INUSTMP

Where

SUBNO	is Subscriber Number
INPERNO	is Person Number
AFFCODE	is Affiliation Code
EFFDATE	is Effective Date
TERMDATE	is Termination Date
AFFNUMB	is Affiliation Number
COMMENT1	is Comment 1
COMMENT2	is Comment 2
INSCODE	is Security Field
INCSTMP	is Creation Time Stamp
INUSTMP	is Update Time Stamp

A “typical data line might look like this:

9009769~00~TANF~19990701~~9009769~~~C~199912271348KAG~200003281107SLL

One should note that especially the Update Time Stamp field in Diamond can be misleading at times. The actual field in this field has not been tested (by this author), we have seen other updated stamp variables in other files that are ‘updated’ when the record is only looked-at and not changed. So the update stamp in general in Diamond should be treated with a certain degree of mis-trust.

## The SAS Processing

In case the nature of the extract construction should be of interest, the following SAS program is provided. This is the actual program code used to create the Affiliation extracts. The UNIX ASCII output files are handled by a number of additional unix scripts to (1) convert UNIX ASCII to PC ASCII (i.e., change the nature of the end-of-line encoding; (2) gnu-zip the individual Board extracts, (3) FTP them from the mhdw server to the mhhub server; (4) move the files to the respective Board extract directories, and finally (5) establish an Access Control List on each file to allow appropriate Board/County account access.

### The SAS Program (as of April, 2000)

```
%LET WHEN=apr07 ;

/* ----- */
/* AFFIL.EXTRACT.SAS */
/* ----- */
/* GOING INTO PRODUCTION IN */
/* APRIL, 2000 .. IS */
/* 57 AND 18M FOR NOW */
/* ----- */

/* ----- */
/* UNIX DIRECTORIES */
/* ----- */
/* FILENAME INAFFIL "/sasdata/input/&when..af" ; */
/* FILENAME GROUP18M "/sasdata/members/affil/a&when..pc.group_18m" lrecl=100; */
/* FILENAME GROUP57 "/sasdata/members/affil/a&when..pc.group_57" lrecl=100; */
/* ----- */

/* ----- */
/* PC DIRECTORIES */
/* ----- */
/* FILENAME INAFFIL "d:\affil\&when..af"; */
/* FILENAME GROUP18M "d:\affil\a&when..pc.group_18m" lrecl=100; */
/* FILENAME GROUP57 "d:\affil\a&when..pc.group_57" lrecl=100; */
/* ----- */

DATA ONE;
INFILE INAFFIL LRECL=196 MISSEVER ;
INPUT
@1 SUBNO $CHAR12.
@13 INPERNO $CHAR2.
@15 AFFCODE $CHAR5.
@20 EFFDATE $CHAR8.
@28 TERMDATE $CHAR8.
@36 AFFNUMB $CHAR10.
@46 COMMENT1 $CHAR60.
@106 COMMENT2 $CHAR60.
@166 INSCODE $1.
@167 INCSTMP $CHAR15.
@182 INUSTMP $CHAR15. ;

* PROC FSEDIT ;

DATA G18M G57 OTHER;
SET ONE ;
IF INSCODE IN ('C','T','t','c','Y') THEN OUTPUT G18M ;
ELSE IF INSCODE IN ('M','m') THEN OUTPUT G57 ; ELSE
OUTPUT OTHER ;
```

```

RUN;

PROC FREQ DATA=ONE;
TABLE INSCODE;
TITLE "Slicer Results on Affiliation Extracting for &WHEN";

RUN;

%MACRO AFPROD(WHICH,WHERE);

/*****
* PRODUCT: SAS
* VERSION: 8.00
* CREATOR: External File Interface
* DATE: 07APR00
* DESC: Generated SAS Daststep Code
* TEMPLATE SOURCE: (None Specified.)
*****/

data _null_;
set WORK.&WHICH end=EFIEOD;
%let _EFIERR_ = 0; /* set the ERROR detection macro variable */
%let _EFIREC_ = 0; /* clear export record count macro variable */
file &WHERE delimiter='~' DSD DROPOVER lrecl=32767;
format SUBNO $12. ;
format INPERNO $2. ;
format AFFCODE $5. ;
format EFFDATE $8. ;
format TERMDATE $8. ;
format AFFNUMB $10. ;
format COMMENT1 $60. ;
format COMMENT2 $60. ;
format INSCODE $1. ;
format INCSTMP $15. ;
format INUSTMP $15. ;
if _n_ = 1 then /* write column names */
do;
put 'SUBNO'
'~'
'INPERNO'
'~'
'AFFCODE'
'~'
'EFFDATE'
'~'
'TERMDATE'
'~'
'AFFNUMB'
'~'
'COMMENT1'
'~'
'COMMENT2'
'~'
'INSCODE'
'~'
'INCSTMP'
'~'
'INUSTMP' ;
end;
do;
EFIOUT + 1;
put SUBNO $ @; put
INPERNO $ @; put
AFFCODE $ @; put
EFFDATE $ @; put
TERMDATE $ @; put
AFFNUMB $ @; put
COMMENT1 $ @; put
COMMENT2 $ @; put
INSCODE $ @;

```

```
put INCSTMP $ @;
put INUSTMP $ ;
;
end;
if _ERROR_ then call symput('_EFIERR_',1); /*set ERROR detection macro variable */
If EFIOD then
    call symput('_EFIREC_',EFIOUT);
run;

%MEND AFPROD ;

%AFPROD(G18M,GROUP18M);
%AFPROD(G57,GROUP57);
RUN;
```

### Comments/Notes/Erratum

- 1 It is important to remember that ONLY the BINARY MODE of FTP should be used to FTP a .gz (or .zip) file from a unix server to a PC. You cannot use ASCII mode in such an operation. This is the single most often forgotten or missed aspect of the MACSIS Weekly Board Extract process.
- 2 The “county” group unix accounts that Boards/Consortium use to FTP files from the mhhub server are on a 57 day password cycle. If you have password/access problems, please be sure to contact the MACSIS Help Desk or the Technical Support Team.
- 3 Remember Affiliation related extracts are ONLY produced for Boards/Consortium specifically requesting this service.

MACSIS Technical Support  
RUN-TIME INSTRUCTIONS  
**AFFILIATION Weekly Board Extracts**

The process here is similar in style to Member-Eligibility and Claims, but much much smaller and simpler. As of April, 2000 only two boards are receiving a weekly extract of AFFIL (JAFFILM0.DAT) information: Cuyahoga MH (18M) and Montgomery (57).

Conceptual Production Steps

1. Bring the /sasdata/member/affil/affil.extract.sas program into the Program Editor window of SAS on the mhdw server.

2. Update the when MACRO variable: %LET WHEN =xxxnn;

The xxxnn of course must match the file name of the AFFIL extract (now in /sasdata/input)

3. Submit the program.

4. The program should run quickly, the log should be checked for obvious errors. If problems are discovered, you should notify Jp. Martin, Mark Hennosy, or Liping Xin.

5. End SAS session, cd /sasdata/members/wffil

Assuming the program completed as expected, end the SAS session and change directory to /sasdata/members/affil

6. Execute the a.process script (it **requires** a mondd parameter)

a.process apr15 (for example)

Note: this script (unlike others) does two things: it creates a gnu gzip file for each raw ascii file that exists and it ftp's those files to [mhhub.odn.state.oh.us](http://mhhub.odn.state.oh.us). The script places those .gz files in /diamond/holding/a directory on that server. The script does not erase the original files here (on mhdw).

7. Sign-on to the mhhub server, change to the /diamond/holding/a directory and execute the a.move script there (**requires** a mondd parameter):

a.move apr15 (for example)

Note: This script moves the files and executes chfile as needed.

8. If all has apparently gone well, return to mhdw and delete the amondd files (both the original ASCII and .gz files) from /sasdata/members/affil.

**Check List Style Instructions For  
Affiliation Extract Process**

Check for mondd.ad file in /sasdata/input on mhdw server  
Run/Open SAS on mhdw  
Bring /sasdata/members/affil/aff.extract.sas program into the Program Editor Window  
Update the WHEN Macro Variable (%LET WHEN=mondd;)  
Save the program code (you would be updating the existing file, i.e., updating or replacing.  
Submit the Program  
Review the Log for Errors - - Notify Jp/Mark/Liping if error (whoever you can reach).  
If there are no errors, endsas.  
Change directory to /sasdata/members/affil  
Execute the a.process script (Remember: the script needs a mondd parameter). Note this version of the ASCII  
processing script also FTP's the files over to the mhhub server.  
Sign-on to the mhhub server and change directory to /diamond/holding/a Execute  
the a.move script (Note: again, there is a required mondd parameter)  
All goes without incident or error, return to mhdw server and delete the amondd files (4 of them)