SAS User File for H126IF2 Data This file contains information and sample SAS programs to create a permanent SAS dataset for users who want to use SAS in processing the MEPS data
provided in this PUF release. There are two ways to create a permanent SAS dataset, using either the SAS transport data file (H126IF2.SSP) or the ASCII data file (H126IF2.DAT)
supplied in this PUF release. Section A provides a sample SAS program for the first alternative, which is to convert the SAS transport data file to a regular SAS dataset using the SAS PROCedure: XCOPY. Section B provides a sample SAS program for the second alternative, which is to read data from the
ASCII data file using a SAS DATA step with INFILE, INPUT, and LABEL statements. Section C explains format-related SAS statements that a user may optionally use when working with the SAS dataset. Examples of SAS programs (DATA step or PROC) are provided in all three sections, primarily for the benefit of inexperienced users. Section D contains complete SAS statements
that must be used in the programs described in Sections B and C. INCLUDED BELOW ARE NOTES APPLICABLE TO USERS OF SAS VERSION 8 OR HIGHER.

A. A Sample SAS Program for Converting the SAS Transport File to a Permanent SAS Dataset The SAS PROCedure XCOPY will read a SAS transport file and convert the
data to regular SAS format, storing the output in a permanent SAS dataset. This permanent SAS dataset can then be used for all future processing and analyses.
Below is a sample SAS program that can be used to convert the SAS transport file to a permanent SAS dataset (in a Windows environment, with SAS V8 or higher). LIBNAME PUFLIB 'C:\MEPS\SASDATA';
FILENAME IN1 'C:\MEPS\DOWNLOAD\H126IF2.SSP'; PROC XCOPY IN=IN1 OUT=PUFLIB IMPORT; RUN;
SAS transport files, SAS data files, and SAS program files each should be stored in separate locations (directory names). Storing different types of SAS files in one location can cause errors with converting or retrieving data.
Below are SAS statements to print a list of variables and a few sample records from the permanent SAS dataset:
PROC CONTENTS DATA=PUFLIB.H126IF2; TITLE 'List of Variables in MEPS H126IF2 SAS Dataset'; RUN; PROC PRINT DATA=PUFLIB.H126IF2 (OBS=20);
TITLE 'First 20 Observations in MEPS H126IF2 SAS Dataset'; RUN; The LIBNAME statement tells SAS the location (directory name) to store the
permanent SAS dataset which is output by PROC XCOPY. The FILENAME statement tells SAS the location (complete directory and file name) of the input SAS transport data file. NOTES:
1) If you have an error reading a SAS data file you created, the problem may be a result of where you are storing and/or how you are retrieving the data. First check the data library for multiple releases of SAS files (e.g., V8 or higher with file extensions of '.SAS7BDAT' and V6
<pre>with file extensions of '.SD2') stored in the same location. a) You can avoid errors when reading these files by including the SAS release within the LIBNAME statement - e.g., LIBNAME PUFLIB V8 'C:\MEPS\SASDATA';</pre>
or b) Store SAS data files with different file extensions such as .SD2 and .SAS7BDAT, in separate folders (do not co-mingle V8 and V6
files in the same folder); or c) When importing transport files, output the SAS dataset to
a different library than the one which contains the downloaded SAS transport file - e.g., LIBNAME PUFLIB 'C:\MEPS\SASDATA'; FILENAME IN1 'C:\MEPS\DOWNLOAD\Hxxx.SSP'; PROC XCOPY IN=IN1 OUT=PUBLIB IMPORT;
RUN; 2) The names used in the LIBNAME and FILENAME statements shown above (i.e., PUFLIB, IN1) are arbitrary; they are only temporary
aliases. 3) The directory and file names used in the LIBNAME and FILENAME statements shown above are Windows syntax and may need to be modified for other operating systems such as UNIX, MAC/OS, VMS, or
OS/2. 4) H126IF2 is the internal SAS dataset name (also the PC file name, without the extension) prior to the creation of the SAS transport data
file. After running PROC XCOPY, the output SAS dataset assumes the same dataset name (or file name). Hence, in the example above, a file named H126IF2.SAS7BDAT will be created under the C:\MEPS\SASDATA directory when PROC XCOPY runs successfully.
5) The SAS transport file H126IF2.SSP was created from a SAS V9 data file, using PROC COPY. This file has been tested for use with SAS V8 or higher. This file may work with earlier versions of SAS, although it has not been tested with those versions. Users who are
unable to use this SAS transport file should instead convert the ASCII data file H126IF2.DAT to a SAS dataset as described in Section B.
B. A Sample SAS Program for Converting the ASCII Data File to a Permanent SAS Dataset The complete SAS statements (INPUT and LABEL) included in Section D are intended to save time for those users wishing to create a permanent SAS
dataset from the H126IF2.DAT ASCII data file. These statements must be used in combination with other SAS statements to create the appropriate SAS program, as shown below. To use the statements provided in Section D to create a SAS program, you will need an ASCII text editor. If you are using an
interactive form of SAS (Windows, UNIX, OS2, etc.), use the editor provided as part of the SAS software. Following is a sample SAS program that will convert the ASCII data file to SAS format:
LIBNAME PUFLIB 'C:\MEPS\SASDATA'; FILENAME IN1 'C:\MEPS\DOWNLOAD\H126IF2.DAT';
DATA PUFLIB.H126IF2; INFILE IN1 LRECL=59; INPUT; * to user: insert the complete INPUT statement that is provided in Section D;
LABEL; * to user: insert the complete LABEL statement that is provided in Section D;
RUN; Here is an explanation of the SAS statements used in the program above.
RUN; Here is an explanation of the SAS statements used in the program above. LIBNAME statement: This tells SAS the location (directory name) of the permanent SAS dataset.
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Here is an explanation of the SAS statements used in the program above. LIBNAME statement: This tells SAS the location (directory name) of the permanent SAS dataset. FILENAME statement: This tells SAS the location of the input ASCII data file. DATA statement: This signifies the beginning of a SAS DATA step and specifies the output SAS dataset, referencing the LIBNAME entry (PUFLIB) and assigning an internal SAS dataset name (H126IF2). In the example, after the successful completion of the DATA step, a PC file named H126IF2.SAS7BDAT would have been created in the C:\MEPS\SASDATA directory.
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Here is an explanation of the SAS statements used in the program above. LIBNAME statement: This tells SAS the location (directory name) of the permanent SAS dataset. FILENAME statement: This tells SAS the location of the input ASCII data file. DATA statement: This signifies the beginning of a SAS DATA step and specifies the output SAS dataset, referencing the LIBNAME entry (PUFLIB) and assigning an internal SAS dataset name (H1261F2). In the example, after the successful completion of the DATA step, a PC file named H1261F2.SAS7BDAT would have been created in the C:\MEPS\SASDATA directory. INFILE statement: This tells SAS the location (directory and file name) of the input ASCII data file. Also provided is the logical record length (59 bytes), with the default of RECFM=V implied when this parameter is omitted. LRECL and RECFM are optional parameters in the INFILE statement. With regard to these options, please note the following: the ASCII data file H1261F2.DAT contains a 2-byte carriage return/line feed at the end of each record. When converting to a PC-SAS file, the LRECL option should be used to specify the record length to avoid use of a default record length by PC-SAS. If the RECFM=V option is used, the LRECL option must be specified as the logical
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Here is an explanation of the SAS statements used in the program above. LIBNAME statement: This tells SAS the location (directory name) of the permanent SAS dataset. FILENAME statement: This tells SAS the location of the input ASCII data file. DATA statement: This signifies the beginning of a SAS DATA step and specifies the output SAS dataset, referencing the LIBNAME entry (PUFLIB) and assigning an internal SAS dataset name (HI261F2). In the example, after the successful completion of the DATA step, a PC file named H1261F2.SAS7BDAT would have been created in the C:\MEPS\SASDATA directory. INFILE statement: This tells SAS the location (directory and file name) of the input ASCII data file. Also provided is the logical record length (59 bytes), with the default of RECFM=V implied when this parameter is omitted. LRECL and RECFM are optional parameters in the INFILE statement. With regard to these options, please note the following: the ASCII data file H1261F2.DAT contains a 2-byte carriage return/line feed at the end of each record. When converting to a PC-SAS file, the LRECL option should be used to specify the record length to avoid use of a default record length by PC-SAS. If the RECFM=V option is used, the LRECL option must be specified as the logical record length (e.g., 59 for H1261F2.DAT). If RECFM=F is used, then the LRECL uptaton was the specified as the logical record length (e.g., 59 for H1261F2.DAT). If RECFM=F is used, then the LRECL uptaton was the specified as the logical record length (e.g., 59 for H1261F2.DAT). Note that if the RECFM option is omitted, then the default option of RECFM=V is automatically used, and LRECL should be specified as the logical record (59 for H1261F2.DAT). INPUT statement: This specifies the input record layout, giving names and the beginning and ending column positions for data items (which become SAS variables) in the ASCII data file (H1261F2.DAT). Variable type (numeric or character) is also defined via the INPUT statement.
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Richard Statement: This tells SAS the location (directory name) of the permanent SAS dataset. PILINAMS statement: This tells SAS the location of the input ASCII data file. DATA statement: This signifies the beginning of a SAS DATA step and specifies the output SAS dataset, referencing the Lishand untry (RUPLIN) and assigning an internal SAS dataset, near (RISATE). In the owapel, after the successful compiletion of the DATA step, as Tile named NIZATIZ-SASTODAT would have been created in the CIANEPSARRAMA directory. TAFFIE statement: This tells SAS the location (directory and file name) of the input ASCII data file. A Risap provided is the logical record length (59 bytes), with the default of RECENT' implied when this parameter is omitted. LENGL and RECH are optional parameters in the Intils statement. With regard to those one-lows, picese note the following record length (20 cm) as PC-SAS file, the LENGL option should be used to specify the record length to avoid use of a default record length by PC-SAS. If the RECENT' when converting to a PC-SAS file, the LENGL option should be used to specify the record length to avoid use of a default record length by PC-SAS. If the RECENT' with a RECENT' is used, then the RECENT' when converting to the IREC option is used, the IREC option is provided as the logical record length by PC-SAS. RECENT value must be specified as the logical record length by PC-SAS. INFUT statement: This specifies the input record layout, giving names and the beginning and ending column positions for data items (which become SAS variables) in the ASCII data file (RISA) and LENGL should be specified as the logical record length pine 2 (Si for NIZATEZ-DATY). See Section A.I above for tips on retrieving and storing the permanent SAS data files. RIN statement: This tells SAS to execute all commands up to this point. See Section A.I above for tips on retrieving and storing the permanent SAS data files, * to user: insert the complete set of VALUE statements found in Section DI. VALUE,
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@9 RXLKIDX \$24.0

@33 EVNTIDX \$12.0

@45 LINKIDX \$12.0

@57 EVENTYPE 1.0

@58 PANEL 2.0

;

* FORMAT STATEMENTS;
FORMAT DUPERSID \$DUPERS.

RXLKIDX \$RXLKIDX.

EVNTIDX \$EVNTIDX.

LINKIDX \$LINKIDX.

LINKIDX \$LINKIDX.

EVENTYPE EVENTYPE.

PANEL PANEL.

;

* LABEL STATEMENTS;
LABEL DUPERSID='PERSON ID (DUID + PID)'

RXLKIDX = 'RECORD ID: EVNTIDX + LINKIDX'

EVNTIDX = 'EVENT ID'

EL STATEMENTS;

DUPERSID='PERSON ID (DUID + PID)'

RXLKIDX ='RECORD ID: EVNTIDX + LINKIDX'

EVNTIDX ='EVENT ID'

LINKIDX ='ID FOR LINKAGE TO COND/OTH EVENT FILES'

EVENTYPE='TYPE OF EVENT RX IS LINKED TO'

PANEL ='PANEL NUMBER'

UE STATEMENTS;

\$DUPERS

< - HIGH = 'VALID ID'

EVENTYPE

PANEL = 'PANEL NUMBER' * VALUE STATEMENTS; VALUE \$DUPERS '0' < - HIGH = 'VALID ID' VALUE EVENTYPE 1 = '1 MVIS'2 = '2 OPAT' 3 = '3 EROM' 4 = '4 STAZ'5 = '5 DVIS' 6 = '6 OMED' 7 = '7 HVIS' 8 = '8 PMED' VALUE \$EVNTIDX '0' < - HIGH = 'VALID ID' VALUE \$LINKIDX '0' < - HIGH = 'VALID ID' VALUE PANEL 13 = '13 PANEL 13' 14 = '14 PANEL 14'

VALUE \$RXLKIDX

'0' < - HIGH = 'VALID ID'