**======================================================================= Convert**

 **Convert**

 **PROGRAM CONVERT Convert**

 **=============== Convert**

 **VERSION 75-1 (APRIL 1975) Convert**

 **VERSION 78-1 (JANUARY 1978) Convert**

 **VERSION 80-1 (AUGUST 1980) IBM VERSION Convert**

 **VERSION 80-2 (DECEMBER 1980) Convert**

 **VERSION 82-1 (JANUARY 1982) Convert**

 **VERSION 83-1 (JANUARY 1983) Convert**

 **VERSION 86-1 (JANUARY 1986)\*NEW PROGRAM Convert**

 **\*FORTRAN-77/H VERSION Convert**

 **\*MULTIPLE INPUT OPTIONS Convert**

 **VERSION 88-1 (AUGUST 1988) \*OPTION...INTERNALLY DEFINE ALL I/O Convert**

 **FILE NAMES (SEE, SUBROUTINE FILEIO Convert**

 **FOR DETAILS). Convert**

 **\*IMPROVED BASED ON USER COMMENTS. Convert**

 **\*ADDED NAMES OPTION TO TURN ON/OFF Convert**

 **STANDARD FILE NAMES. Convert**

 **\*ADDED REWIND OPTION TO TURN ON/OFF Convert**

 **REWIND AT START OF PROGRAMS. Convert**

 **\*DELETED HARWELL AND JAERI OPTIONS Convert**

 **(PREVIOUSLY ONLY REQUIRED FOR GRAPHIC Convert**

 **INTERFACE. NO LONGER REQUIRED). Convert**

 **VERSION 89-1 (JANUARY 1989)\*PSYCHOANALYZED BY PROGRAM FREUD TO Convert**

 **INSURE PROGRAM WILL NOT DO ANYTHING Convert**

 **CRAZY. Convert**

 **\*IMPROVED BASED ON USER COMMENTS. Convert**

 **\*ADDED LIVERMORE CIVIC COMPILER Convert**

 **CONVENTIONS. Convert**

 **\*UPDATED TO USE NEW PROGRAM CONVERT Convert**

 **KEYWORDS. Convert**

 **\*ADDED ENDFILE OPTION TO OPTIONALLY Convert**

 **ALLOW END OF FILE TO BE WRITTEN Convert**

 **VERSION 91-1 (JUNE 1991) \*ADDED FORTRAN SAVE OPTION Convert**

 **VERSION 92-1 (JANUARY 1992)\*ADDED ACTION OPTION - TO CONTROL Convert**

 **INTERACTIVE INPUT TO CODES Convert**

 **\*ADDED BLANK DELIMITED KEYWORD INPUT Convert**

 **(REPLACES EARLIER FIXED FIELD INPUT) Convert**

 **\*WARNING...THE INPUT PARAMETER FORMAT Convert**

 **HAS BEEN GENERALIZED - FOR DETAILS Convert**

 **SEE BELOW. Convert**

 **VERSION 94-1 (JANUARY 1994)\*VARIABLE PROGRAM FILENAMES Convert**

 **TO ALLOW ACCESS TO FILE STRUCTURES Convert**

 **(WARNING - INPUT PARAMETER FORMAT Convert**

 **HAS BEEN CHANGED) Convert**

 **\*CLOSE ALL FILES BEFORE TERMINATING Convert**

 **(SEE, SUBROUTINE ENDIT) Convert**

 **\*ADDED KEYWORD CLOSE. Convert**

 **VERSION 96-1 (JANUARY 1996) \*COMPLETE RE-WRITE Convert**

 **\*IMPROVED COMPUTER INDEPENDENCE Convert**

 **\*ALL DOUBLE PRECISION Convert**

 **\*ON SCREEN OUTPUT Convert**

 **VERSION 99-1 (MARCH 1999) \*GENERAL IMPROVEMENTS BASED ON Convert**

 **USER FEEDBACK Convert**

 **VERS. 2000-1 (FEBRUARY 2000)\*GENERAL IMPROVEMENTS BASED ON Convert**

 **USER FEEDBACK Convert**

 **VERS. 2002-1 (MAY 2002) \*OPTIONAL INPUT PARAMETERS Convert**

 **VERS. 2004-1 (MARCH 2004) \*GENERAL UPDATE Convert**

 **VERS. 2007-1 (JAN. 2007) \*GENERAL UPDATE Convert**

 **VERS. 2007-2 (DEC. 2007) \*72 CHARACTER FILE NAMES. Convert**

 **VERS. 2010-1 (Apr. 2010) \*General update based on user feedback Convert**

 **VERS. 2012-1 (Aug. 2012) \*Added CODENAME Convert**

 **\*32 and 64 bit Compatible Convert**

 **\*Added ERROR stop Convert**

 **VERS. 2015-1 (Jan. 2015) \*Replaced ALL 3 way IF Statements Convert**

 **VERS. 2017-1 (May 2017) \*Updated based on user feedback. Convert**

 **VERS. 2018-1 (Jan. 2018) \*Added on-line output for ALL ENDERROR Convert**

 **VERS. 2019-1 (June 2019) \*Identical to 2018-1. Convert**

 **Convert**

 **OWNED, MAINTAINED AND DISTRIBUTED BY Convert**

 **------------------------------------ Convert**

 **THE NUCLEAR DATA SECTION Convert**

 **INTERNATIONAL ATOMIC ENERGY AGENCY Convert**

 **P.O. BOX 100 Convert**

 **A-1400, VIENNA, AUSTRIA Convert**

 **EUROPE Convert**

 **Convert**

 **ORIGINALLY WRITTEN BY Convert**

 **------------------------------------ Convert**

 **Dermott E. Cullen Convert**

 **Convert**

 **PRESENT CONTACT INFORMATION Convert**

 **--------------------------- Convert**

 **Dermott E. Cullen Convert**

 **1466 Hudson Way Convert**

 **Livermore, CA 94550 Convert**

 **U.S.A. Convert**

 **Telephone 925-443-1911 Convert**

 **E. Mail RedCullen1@Comcast.net Convert**

 **Website RedCullen1.net/HOMEPAGE.NOW Convert**

 **Convert**

 **AUTHORS MESSAGE Convert**

 **--------------- Convert**

 **THE COMMENTS BELOW SHOULD BE CONSIDERED THE LATEST DOCUMENATION Convert**

 **FOR THIS PROGRAM INCLUDING ALL RECENT IMPROVEMENTS. PLEASE READ Convert**

 **ALL OF THESE COMMENTS BEFORE IMPLEMENTATION, PARTICULARLY THE Convert**

 **COMMENTS CONCERNING COMPUTER DEPENDENT CODING. Convert**

 **Convert**

 **AT THE PRESENT TIME WE ARE ATTEMPTING TO DEVELOP A SET OF COMPUTER Convert**

 **INDEPENDENT PROGRAMS THAT CAN EASILY BE IMPLEMENTED ON ANY ONE Convert**

 **OF A WIDE VARIETY OF COMPUTERS. IN ORDER TO ASSIST IN THIS PROJECT Convert**

 **IT WOULD BE APPECIATED IF YOU WOULD NOTIFY THE AUTHOR OF ANY Convert**

 **COMPILER DIAGNOSTICS, OPERATING PROBLEMS OR SUGGESTIONS ON HOW TO Convert**

 **IMPROVE THIS PROGRAM. IN PARTICULAR IF YOUR FORTRAN COMPILER, OR Convert**

 **COMPUTER HAS A SET OF REQUIREMENTS THAT ARE DIFFERENT FROM THOSE Convert**

 **OF CDC, CRAY OR IBM PLEASE NOTIFY THE AUTHOR AND THIS PROGRAM WILL Convert**

 **BE MODIFIED TO CONSIDER YOUR COMPUTER SEPERATELY. HOWEVER, IN Convert**

 **ORDER TO PREVENT A PROLIFERATION OF CODING IT IS IMPERATIVE THAT Convert**

 **YOU IDENTIFY EXACTLY HOW YOUR FORTRAN COMPILER OR COMPUTER DIFFERS Convert**

 **FROM THOSE ALREADY CONSIDERED BY THIS PROGRAM. HOPEFULLY,IN THIS Convert**

 **WAY FUTURE VERSIONS OF THIS PROGRAM WILL BE COMPLETELY COMPATIBLE Convert**

 **FOR USE ON YOUR COMPUTER. Convert**

 **Convert**

 **PURPOSE Convert**

 **------- Convert**

 **THIS PROGRAM IS DESIGNED TO AUTOMATICALLY CONVERT FORTRAN PROGRAMS Convert**

 **FOR USE ON ANY ONE OF A VARIETY OF, Convert**

 **(1) COMPUTERS Convert**

 **(2) COMPILERS Convert**

 **(3) PRECISIONS (SINGLE OR DOUBLE PRECISION) Convert**

 **(4) INSTALLATIONS Convert**

 **(5) STANDARD OR NON-STANDARD FILE NAMES Convert**

 **Convert**

 **FORTRAN CODING CONVENTIONS Convert**

 **-------------------------- Convert**

 **THIS PROGRAM MAY BE USED TO CONVERT ANY PROGRAM WHICH USES THE Convert**

 **FOLLOWING CONVENTIONS. Convert**

 **Convert**

 **ALL FORTRAN STATEMENTS THAT DEPEND ON ANY COMBINATION OF COMPUTER, Convert**

 **COMPILER, PRECISION AND/OR INSTALLATION AND STANDARD FILE NAMES Convert**

 **SHOULD BE PRECEDED AND FOLLOWED BY A COMMENT LINE THAT CONTAINS, Convert**

 **Convert**

 **C\*\*\*\*\* DOUBLE \*\*\*\*\*\* ACTIVATE DOUBLE PRECISION (DEFAULT) Convert**

 **C\*\*\*\*\* SINGLE \*\*\*\*\*\* ACTIVATE SINGLE PRECISION Convert**

 **C\*\*\*\*\* CHARACTER \*\*\* TREAT CHARACTER ARRAYS AS CHARACTERS(DEFAULT) Convert**

 **C\*\*\*\*\* INTEGER \*\*\*\*\* TREAT CHARACTER ARRAYS AS INTEGERS Convert**

 **C\*\*\*\*\* STOP \*\*\*\*\*\*\*\* ACTIVATE STOP TO TERMINATE PROGRAM Convert**

 **C\*\*\*\*\* EXIT \*\*\*\*\*\*\*\* ACTIVATE EXIT TO TERMINATE PROGRAM Convert**

 **C\*\*\*\*\* PROGRAM \*\*\*\*\* ACTIVATE PROGRAM LINE AND CONTINUATIONS Convert**

 **C\*\*\*\*\* NAMES \*\*\*\*\*\*\* ACTIVATE STANDARD FILENAMES Convert**

 **C\*\*\*\*\* REWIND \*\*\*\*\*\* ACTIVATE REWIND FILES AT START OF PROGRAM Convert**

 **C\*\*\*\*\* ENDFILE \*\*\*\*\* ACTIVATE ENDFILE AT END OF PROGRAM Convert**

 **C\*\*\*\*\* CIVIC \*\*\*\*\*\*\* ACTIVATE LIVERMORE CIVIC COMPILER CONVENTIONS Convert**

 **C\*\*\*\*\* NOID \*\*\*\*\*\*\*\* REMOVE LINE ID IN COLUMNS 73-80 (73-80=BLANK) Convert**

 **C\*\*\*\*\* SAVE \*\*\*\*\*\*\*\* SAVE VARIABLES BETWEEN SUBROUTINE CALLS Convert**

 **C\*\*\*\*\* ACTION \*\*\*\*\*\* ACTIVATE INTERACTIVE INPUT TO CODES Convert**

 **C\*\*\*\*\* CLOSE \*\*\*\*\*\*\* ACTIVATE CLOSE ALL FILES BEFORE TERMINATING Convert**

 **Convert**

 **IF THE USER DOES NOT SELECT, Convert**

 **(1) DOUBLE OR SINGLE - THE PROGRAM WILL ACTIVATE DOUBLE Convert**

 **(2) CHARACTER OR INTEGER - THE PROGRAM WILL ACTIVATE CHARACTER Convert**

 **(3) STOP OR EXIT - THE PROGRAM WILL ACTIVATE STOP Convert**

 **Convert**

 **IF THE USER SELECTS, Convert**

 **(1) DOUBLE AND SINGLE - THE PROGRAM WILL ACTIVATE DOUBLE Convert**

 **(2) CHARACTER AND INTEGER - THE PROGRAM WILL ACTIVATE CHARACTER Convert**

 **(3) STOP AND EXIT - THE PROGRAM WILL ACTIVATE STOP Convert**

 **Convert**

 **IF THE USER DOES NOT SELECT PROGRAM, NAMES, REWIND, ENDFILE, Convert**

 **CIVIC, NOID, SAVE OR ACTION THESE OPTIONS WILL BE TURNED OFF. Convert**

 **Convert**

 **WHERE CODING IS COMPUTER OR COMPILER DEPENDENT CODING WILL BE Convert**

 **PRESENT FOR ALL POSSIBLE OPTIONS. THIS PROGRAM WILL ALLOW THE Convert**

 **THE USER TO CONVERT PROGRAMS FOR USE WITH ANY COMBINATION OF Convert**

 **OPTIONS. FOR EXAMPLES OF HOW THIS CONVENTION IS USED SEE THE Convert**

 **LISTING OF THIS PROGRAM AND THE COMMENTS BELOW ON COMPUTER Convert**

 **DEPENDENT CODING. Convert**

 **Convert**

 **INPUT LINES Convert**

 **----------- Convert**

 **LINE COLS. DESCRIPTION Convert**

 **---- ----- -------------------------------------- Convert**

 **1 1-72 BLANK DELIMITED KEYWORDS Convert**

 **2 1-60 ENDF/B INPUT DATA FILENAME Convert**

 **(STANDARD OPTION = ENDFB.IN) Convert**

 **3 1-60 ENDF/B OUTPUT DATA FILENAME Convert**

 **(STANDARD OPTION = ENDFB.OUT) Convert**

 **Convert**

 **\*THE FIRST INPUT LINE IS 72 CHARACTERS. Convert**

 **\*KEYWORDS MAY BE LOCATED ANYWHERE WITHIN THESE 72 CHARACTERS Convert**

 **\*THERE MAY BE ANY NUMBER OF KEYWORDS INPUT Convert**

 **\*EACH KEYWORD MUST BE BLANK DELIMITED, E.G., DOUBLE CHARACTER Convert**

 **IS LEGAL INPUT - DOUBLECHARACTER IS NOT LEGAL INPUT. Convert**

 **\*THERE MUST BE ONE OR MORE BLANKS BETWEEN KEYWORDS Convert**

 **Convert**

 **\*NOTE, THIS NEW INPUT PARAMETER FORMAT (VERSION 92-1) IS COMPLETELY Convert**

 **COMPATIBLE WITH THE OLDER FIXED FIELD FORMAT. SO THAT IF YOU HAVE Convert**

 **INPUT THAT YOU HAVE USED IN THE PAST YOU CAN CONTINUE TO USE IT. Convert**

 **Convert**

 **LEGAL KEYWORDS INCLUDE, Convert**

 **Convert**

 **DOUBLE ACTIVATE DOUBLE PRECISION (DEFAULT) Convert**

 **SINGLE ACTIVATE SINGLE PRECISION Convert**

 **CHARACTER TREAT CHARACTER ARRAYS AS CHARACTERS(DEFAULT) Convert**

 **INTEGER TREAT CHARACTER ARRAYS AS INTEGERS Convert**

 **PROGRAM ACTIVATE PROGRAM LINE AND CONTINUATIONS Convert**

 **NAMES ACTIVATE STANDARD FILENAMES Convert**

 **REWIND ACTIVATE REWIND FILES AT START OF PROGRAM Convert**

 **ENDFILE ACTIVATE ENDFILE AT END OF PROGRAM Convert**

 **CIVIC ACTIVATE LIVERMORE CIVIC COMPILER CONVENTIONS Convert**

 **NOID REMOVE LINE ID IN COLUMNS 73-80 (73-80=BLANK) Convert**

 **SAVE SAVE VARIABLES BETWEEN SUBROUTINE CALLS Convert**

 **ACTION ACTIVATE INTERACTIVE INPUT FOR CODES Convert**

 **CLOSE ACTIVATE CLOSE ALL FILES BEFORE TERMINATING Convert**

 **Convert**

 **EXAMPLE INPUT NO. 1 Convert**

 **------------------- Convert**

 **TO USE A PROGRAM IN SINGLE PRECISION, USE THE STANDARD FILE NAMES, Convert**

 **REWIND ALL UNITS AT THE START OF THE PROGRAM AND TREAT CHARACTER Convert**

 **ARRAYS AS CHARACTER (FORTRAN-77 CONVENTION). Convert**

 **Convert**

 **READ \PREPRO93\RECENT\RECENT.OLD AND Convert**

 **WRITE \PREPRO93\RECENT\RECENT.NEW Convert**

 **Convert**

 **THE FOLLOWING 3 INPUT LINES ARE REQUIRED, Convert**

 **Convert**

 **SINGLE NAMES REWIND CHARACTER Convert**

 **\PREPRO93\RECENT\RECENT.OLD Convert**

 **\PREPRO93\RECENT\RECENT.NEW Convert**

 **Convert**

 **NOTE, SINCE CHARACTER IS THE STANDARD OPTION THE KEYWORD CHARACTER Convert**

 **NEED NOT APPEAR ON THE ABOVE INPUT LINE. Convert**

 **Convert**

 **EXAMPLE INPUT NO. 2 Convert**

 **------------------- Convert**

 **TO USE A PROGRAM IN DOUBLE PRECISION AND TREAT ALL CHARACTER Convert**

 **ARRAYS AS INTEGER (FORTRAN-H CONVENTION). Convert**

 **Convert**

 **USE THE STANDARD FILENAMES TO READ = CONVERT.IN AND WRITE = Convert**

 **CONVERT.OUT (THIS CAN BE DONE BY LEAVING THE SECOND AND THIRD Convert**

 **INPUT LINES BLANK). Convert**

 **Convert**

 **THE FOLLOWING 3 INPUT LINES ARE REQUIRED, Convert**

 **Convert**

 **DOUBLE INTEGER Convert**

 **(NOTE, THIS IS A BLANK LINE) Convert**

 **(NOTE, THIS IS A BLANK LINE) Convert**

 **Convert**

 **NOTE, SINCE DOUBLE IS THE STANDARD OPTION THE KEYWORD DOUBLE Convert**

 **NEED NOT APPEAR ON THE ABOVE INPUT LINE. Convert**

 **Convert**

 **EXAMPLE INPUT NO. 3 Convert**

 **------------------- Convert**

 **TO ACTIVATE THE PROGRAM LINE, USE DOUBLE PRECISION AND TREAT ALL Convert**

 **CHARACTER ARRAYS AS CHARACTER. Convert**

 **Convert**

 **Convert**

 **READ \PREPRO93\RECENT\RECENT.OLD AND Convert**

 **WRITE THE STANDARD FILENAME = CONVERT.OUT (LEAVE THE THIRD INPUT Convert**

 **LINE BLANK). Convert**

 **Convert**

 **THE FOLLOWING 3 INPUT LINES ARE REQUIRED, Convert**

 **Convert**

 **PROGRAM Convert**

 **\PREPRO93\RECENT\RECENT.OLD Convert**

 **(NOTE, THIS IS A BLANK LINE) Convert**

 **Convert**

 **NOTE, SINCE DOUBLE, CHARACTER AND EXIT ARE THE STANDARD OPTIONS Convert**

 **THEY NEED NOT APPEAR ON THE ABOVE INPUT LINE AND IN THIS EXAMPLE Convert**

 **HAVE BEEN OMITTED. Convert**

 **Convert**

 **WARNING Convert**

 **------- Convert**

 **(1) THE PROGRAM WILL ALWAYS ACTIVATE DOUBLE OR SINGLE, CHARACTER Convert**

 **OR INTEGER (AS DESCRIBED ABOVE). Convert**

 **Convert**

 **(2) CODING IN THE PROGRAM FOR ANY KEYWORDS THAT ARE NOT ACTIVATED Convert**

 **WILL BE CONVERTED TO COMMENT LINES AND AS SUCH WILL EFFECTIVELY Convert**

 **DISAPPEAR FROM THE PROGRAM. THEREFORE IF THE KEYWORDS PROGRAM, Convert**

 **NAMES, REWIND, ENDFILE, CIVIC OR NOID ARE NOT INPUT BY THE USER Convert**

 **THESE OPTIONS WILL BE TURNED OFF AND ANY CODING USING THESE Convert**

 **KEYWORDS WILL EFFECTIVELY DISAPPEAR FROM THE PROGRAM. Convert**

 **Convert**

 **(3) THE SERIES OF CODES THAT ARE DESIGNED TO BE AUTOMATICALLY Convert**

 **TRANSLATED BY THIS PROGRAM REQUIRE THAT ALL CALCULATIONS BE Convert**

 **PERFORMED IN DOUBLE PRECISION ON SHORT WORD LENGTH COMPUTERS Convert**

 **(E.G., IBM COMPUTERS). THIS PROGRAM WILL ALLOW YOU TO SPECIFY Convert**

 **EITHER DOUBLE OR SINGLE PRECISION. HOWEVER, IF YOU SPECIFY Convert**

 **SINGLE PRECISION THIS PROGRAM WILL PRINT A WARNING MESSAGE THAT Convert**

 **THE CONVERTED PROGRAM SHOULD ONLY BE USED ON LONG WORD LENGTH Convert**

 **COMPUTERS (E.G., CDC COMPUTERS). Convert**

 **Convert**

 **PROGRAM OPERATION Convert**

 **----------------- Convert**

 **THE PROGRAM WILL SEARCH FOR COMMENT LINES THAT START WITH C\*\* Convert**

 **IN COLUMNS 1-3 FOLLOWED BY ANY ONE OF THE ALLOWED KEYWORDS Convert**

 **IF THE KEYWORD IS THE SAME AS ONE OF THE KEYWORDS INPUT BY Convert**

 **THE USER ALL LINES UP TO THE NEXT LINE WITH C\*\* IN COLUMNS 1-3 Convert**

 **FOLLOWED BY THE SAME KEYWORD WILL BE SET ACTIVE BY SETTING COLUMN Convert**

 **1 TO BLANK. IF THE KEYWORDS DIFFERS FROM THAT INPUT BY THE USER Convert**

 **ALL LINES UP TO THE NEXT LINE WITH C\*\* IN COLUMNS 1-3 FOLLOWED BY Convert**

 **THE SAME KEYWORD WILL BE SET INACTIVE BY SETTING COLUMN 1 TO C. Convert**

 **Convert**

 **KEYWORDS MAY NOT BE NESTED (I.E., THIS PROGRAM WILL ONLY OPERATE Convert**

 **PROPERLY IF KEYWORDS APPEAR IN PAIRS. ONCE A LINE IS FOUND THAT Convert**

 **CONTAINS A KEYWORD, THE NEXT LINE THAT CONTAINS A KEYWORD MUST Convert**

 **CONTAIN THE SAME KEYWORD). Convert**

 **Convert**

 **PROGRAM LINE Convert**

 **------------ Convert**

 **THE FORTRAN FILE MAY START WITH A PROGRAM LINE AND CONTINUATIONS. Convert**

 **FOR USE ON CDC-7600 OR CRAY-1 COMPUTERS THIS PROGRAM CAN ACTIVATE Convert**

 **THE PROGRAM LINE AND CONTINUATION LINES. FOR USE ON OTHER TYPES OF Convert**

 **COMPUTERS THIS PROGRAM WILL AUTOMATICALLY DE-ACTIVATE THE PROGRAM Convert**

 **LINE AND CONTINUATION LINES. THIS CONVENTIONS HAS BEEN INTRODUCED Convert**

 **BECAUSE SOME CDC-7600 COMPILERS CONSIDER IT AN ERROR IF THE FIRST Convert**

 **LINE IS NOT A PROGRAM LINE. PRECEEDING COMMENT LINES ARE NOT Convert**

 **ALLOWED. THEREFORE THE NORMAL CONVENTION, DESCRIBED ABOVE, OF Convert**

 **USING PRECEDING AND FOLLOWING COMMENT LINES, CANNOT BE USED AT Convert**

 **THE BEGINNING OF THE PROGRAM. Convert**

 **Convert**

 **COMMENT LINES Convert**

 **------------- Convert**

 **COMMENT LINES MAY APPEAR ON LINES BETWEEN PAIRS OF KEYWORD LINES Convert**

 **ONLY IF THE COMMENT LINES CONTAINS C-- IN COLUMS 1-3. ANY LINE Convert**

 **THAT CONTAINS ANYTHING ELSE IN COLUMNS 1-3 MAY BE ACTIVATED Convert**

 **BY THIS PROGRAM BY SETTING COLUMN 1 BLANK AND CAN LEAD TO ERRORS Convert**

 **DURING COMPILATION AND/OR EXECUTION. Convert**

 **Convert**

 **INPUT FILES Convert**

 **----------- Convert**

 **UNIT DESCRIPTION Convert**

 **---- ----------- Convert**

 **2 INPUT LINE (BCD - 80 CHARACTERS/RECORD) Convert**

 **10 ORIGINAL PROGRAM (BCD - 80 CHARACTERS/RECORD) Convert**

 **Convert**

 **OUTPUT FILES Convert**

 **------------ Convert**

 **UNIT DESCRIPTION Convert**

 **---- ----------- Convert**

 **3 OUTPUT REPORT (BCD - 120 CHARACTERS/RECORD) Convert**

 **11 RE-FORMATTED PROGRAM (BCD - 80 CHARACTERS/RECORD) Convert**

 **Convert**

 **OPTIONAL STANDARD FILE NAMES (SEE SUBROUTINE FILIO1 AND FILIO2) Convert**

 **--------------------------------------------------------------- Convert**

 **UNIT FILE NAME Convert**

 **---- ---------- Convert**

 **2 CONVERT.INP Convert**

 **3 CONVERT.LST Convert**

 **10 CONVERT.IN Convert**

 **11 CONVERT.OUT Convert**

 **Convert**

 **======================================================================= Convert**