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		3) It wr 4) It wr Author's I conside does onl simplest ONLY acc Method Other coc written ERROR PF in which this meat these co In contr with the ENDF dat ENDF dat ENDF dat ENDF dat ENDF dat Floating this coc format. In order	rites an ENDF formatted file named ENDFB.OUT rites a report file named ENDFB.OUT Ender insuring that ENDF data is in a standard, officiall d format for FORTRAN, C and C++ is SO IMPORTANT this co ly one thing - and only one thing - and it does it in t t possible manner - efficiency is NOT a consideration - curacy and general utility of the ENDF data is consider be me decades ago - are very complicated, and therefor RONE because they try to deal with each and every varia a data can be coded in the ENDF format. Needless to say ans that every time the ENDF formats and procedures cha odes MUSE also be changed. rast, ENDF2C uses my almost 50 years of experience deal a ENDF format to realize that except for the comments a inning for each evaluation (MF/MT=1/451), every line of ta is IDENTICAL - in every version of the ENDF format, ginal ENDF to today's ENDF-6. So to translate ENDF data official format I do not have to consider differences ction (MF/MT) of data. ine of ENDF is divided into 6 fields, each 11 columns w the 6 fields is either, blank, integer or floating poi g point fields ALL include a decimal point (.). So that de does is convert every floating point field to standa	ENDF2C ENDF2C ENDF2C ENDF2C ENDF2C C ENDF2C

```
Blank and integer fields are copied exactly as read. ALL floating ENDF2C
    point number that are read are converted internally from characterENDF2C
    to floating point - they are then converted back into characters ENDF2C
    in a standard, officially approved format, for output.
                                                                ENDF2C
                                                                ENDF2C
    As a last step to insure the accuracy of results the characters
                                                                ENDF2C
    to be output are again converted from characters to floating
                                                                ENDE2C
    point, and the numerical value that is output is compared to the
                                                                ENDF2C
    numerical value originally read, and if there is ANY DIFFERENCE
                                                                ENDF2C
    the characters strings read and written are listed in the output: ENDF2C
    the characters strings read and written as well as the difference ENDF2C
    is listed in the output report (ENDF2C.LST) and on the screen.
                                                                ENDF2C
                                                                ENDF2C
    Running Time
                                                                ENDF2C
                                                                ENDF2C
    _____
    It takes only seconds to translate an ENDF formatted evaluation,
                                                                ENDF2C
    so running time need not be a consideration. Concentrate on
                                                                ENDF2C
    keeping it simple and reliable - that should be your focus.
                                                                ENDF2C
                                                                ENDF2C
                                                                ENDF2C
    Documentation
                                                                ENDE2C
    ALL of my codes that process ENDF data and change it in ANY WAY
                                                                ENDF2C
    document what they have done by adding comment lines at the end
                                                                ENDF2C
    of the comment section (MF/MT=1/451) of each evaluation. This
                                                                ENDF2C
    allows data users to determine the pedigree of the data they are ENDF2C
    using, by reading these comments. This code documents what is has ENDF2C
    done by adding the following 2 comment lines.
                                                                ENDF2C
                                                                ENDF2C
ENDF2C
    Convert ENDF Data to Standard FORTRAN, C and C++ Format
                                                                ENDE2C
                                                                ENDF2C
    WARNING - This documentation is IMPORTANT to data users and it
                                                                ENDF2C
    should not be deleted.
                                                                ENDF2C
                                                                ENDF2C
                                                                ENDE2C
    Written by
             _____
                                                                ENDF2C
    Dermott E. Cullen
                                                                ENDF2C
    University of California (retired)
                                                                ENDF2C
-----Present Home Address-----ENDF2C
    Dermott E. Cullen
                                                                ENDF2C
    1466 Hudson Way
                                                                ENDF2C
    Livermore, CA 94550
                                                                ENDF2C
    U.S.A.
                                                                ENDF2C
    Telephone 925-443-1911
                                                                ENDF2C
    E. Mail
              RedCullen1@Comcast.net
                                                                ENDF2C
                                                                ENDF2C
              RedCullen1.net/HOMEPAGE.NEW
    Website
                                                                ENDF2C
```