Release notes for ENDF/B-VII.1 standards sublibrary

December 20, 2011

ERROR SUMMARY

- checkr This file only allowed in neutron sublibrary: std-001_H_001.endf, std-006_C_000.endf
- **fizcon** Data for a reaction started at a minimum Ein that is incorrect, based upon reaction's Q value or other ENDF expectations.: std-092_U_238.endf
- fizcon Data for a reaction started at a minimum Ein that is incorrect, based upon reaction's Q value: std-003_Li_006.endf, std-005_B_010.endf, std-079_Au_197.endf

std-001_H_001.endf	
000 001_11_001101101	

- checkr Errors:
 - 1. Missing a section/file

ERROR(S) FOUND IN MAT= 125, MF= 3, MT=451

LRP = 0 Requires the presence of File 2, but it is missing.

2. This file only allowed in neutron sublibrary

ERROR(S) FOUND IN MAT= 125, MF= 4, MT= 2

FILE 4 ALLOWED ONLY IN A NEUTRON DATA SUBLIBRARYSEQUENCE NUMBER 1

SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER 1 TO 99999

SECTION MAT= 125 MF= 4 MT= 2 IS MISSING

3. File has wrone sublibrary ID number in header

ERROR(S) FOUND IN MAT= 125, MF= 1, MT=451
INVALID SUBLIBRARY NUMBER NSUB = 19 SEQUENCE NUMBER 4
DIST-DEC06 20111222

- fizcon Errors:
 - 1. Missing files (probably spectra for outgoing particles)

ERROR(S) - MISSING SECTIONS IN MAT -1 MF 6
PRESENCE OF FILE 3, MT= 2 REQUIRES AN EQUIVALENT SECTION IN FILE 6

- psyche Errors:
 - 1. Missing total and/or elastic so can not do cross section sanity tests

CANNOT PERFORM WICK LIMIT TEST BECAUSE TOTAL AND/OR ELASTIC CROSS SECTIONS ARE MISSING

____std-002_He_003.endf _____

- checkr Errors:
 - 1. Missing a section/file

ERROR(S) FOUND IN MAT= 225, MF= 3, MT=451
 LRP = 0 Requires the presence of File 2, but it is missing.

2. File has wrone sublibrary ID number in header

ERROR(S) FOUND IN MAT= 225, MF= 1, MT=451
INVALID SUBLIBRARY NUMBER NSUB = 19 SEQUENCE NUMBER 4
DIST-DEC06 20111222

- fizcon Errors:
 - 1. Missing files (probably spectra for outgoing particles)

ERROR(S) - MISSING SECTIONS IN MAT -1 MF 6
PRESENCE OF FILE 3, MT= 103 REQUIRES AN EQUIVALENT SECTION IN FILE 6

____std-003_Li_006.endf _____

- checkr Errors:
 - 1. Missing a section/file

ERROR(S) FOUND IN MAT= 325, MF= 3, MT=451
 LRP = 0 Requires the presence of File 2, but it is missing.

2. File has wrone sublibrary ID number in header

ERROR(S) FOUND IN MAT= 325, MF= 1, MT=451
INVALID SUBLIBRARY NUMBER NSUB = 19
DIST-DEC06

SEQUENCE NUMBER 20111222

4

4

- fizcon Errors:
 - 1. Data for a reaction started at a minimum Ein that is incorrect, based upon reaction's Q value.

ERROR(S) FOUND IN MAT= 325, MF= 3, MT=105

THE MINIMUM INCIDENT ENERGY OF 2.53000E-02(EV)

SHOULD BE 1.00000E-05(EV) FOR Q= 4.78380E+06(EV)

____std-005_B_010.endf ___

- checkr Errors:
 - 1. Missing a section/file

ERROR(S) FOUND IN MAT= 525, MF= 3, MT=451

LRP = 0 Requires the presence of File 2, but it is missing.

2. File has wrone sublibrary ID number in header

ERROR(S) FOUND IN MAT= 525, MF= 1, MT=451
INVALID SUBLIBRARY NUMBER NSUB = 19
DIST-DEC06

SEQUENCE NUMBER 20111222

• fizcon Errors:

1. Missing files (probably spectra for outgoing particles)

ERROR(S) - MISSING SECTIONS IN MAT 525 MF 6

PRESENCE OF FILE 3, MT= 107 REQUIRES AN EQUIVALENT SECTION IN FILE 6

PRESENCE OF FILE 3, MT= 800 REQUIRES AN EQUIVALENT SECTION IN FILE 6

PRESENCE OF FILE 3, MT= 801 REQUIRES AN EQUIVALENT SECTION IN FILE 6

2. Data for a reaction started at a minimum Ein that is incorrect, based upon reaction's Q value.

ERROR(S) FOUND IN MAT= 525, MF= 3, MT=107
THE MINIMUM INCIDENT ENERGY OF 2.53000E-02(EV)
SHOULD BE 1.00000E-05(EV) FOR Q= 2.79000E+06(EV)

. . .

_____std-006_C_000.endf _____

- checkr Errors:
 - 1. Missing a section/file

ERROR(S) FOUND IN MAT= 600, MF= 3, MT=451
 LRP = 0 Requires the presence of File 2, but it is missing.

2. This file only allowed in neutron sublibrary

ERROR(S) FOUND IN MAT= 600, MF= 4, MT= 2

FILE 4 ALLOWED ONLY IN A NEUTRON DATA SUBLIBRARYSEQUENCE NUMBER 1

SECTION CANNOT BE CHECKED FROM SEQUENCE NUMBER 1 TO 99999

3. File has wrone sublibrary ID number in header

ERROR(S) FOUND IN MAT= 600, MF= 1, MT=451
INVALID SUBLIBRARY NUMBER NSUB = 19 SEQUENCE NUMBER

4. Missing a section/file

ERROR(S) FOUND IN MAT= 600, MF=33, MT= 2

SECTION MAT= 600 MF= 4 MT= 2 IS MISSING

- fizcon Errors:
 - 1. Missing files (probably spectra for outgoing particles)

ERROR(S) - MISSING SECTIONS IN MAT 600 MF 6

PRESENCE OF FILE 3, MT= 2 REQUIRES AN EQUIVALENT SECTION IN FILE 6

• psyche Errors

1. Missing total and/or elastic so can not do cross section sanity tests

CANNOT PERFORM WICK LIMIT TEST BECAUSE TOTAL AND/OR ELASTIC CROSS SECTIONS ARE MISSING

____std-079_Au_197.endf _____

• checkr Errors:

1. Missing a section/file

ERROR(S) FOUND IN MAT=7925, MF= 3, MT=451 LRP = 0 Requires the presence of File 2, but it is missing.

2. File has wrone sublibrary ID number in header

ERROR(S) FOUND IN MAT=7925, MF= 1, MT=451
INVALID SUBLIBRARY NUMBER NSUB = 19
DIST-DEC06

SEQUENCE NUMBER 20111222

• fizcon Errors:

1. Data for a reaction started at a minimum Ein that is incorrect, based upon reaction's Q value.

ERROR(S) FOUND IN MAT=7925, MF= 3, MT=102
THE MINIMUM INCIDENT ENERGY OF 2.53000E-02(EV)
SHOULD BE 1.00000E-05(EV) FOR Q= 6.51238E+06(EV)

____std-092_U_235.endf _____

• checkr Errors:

1. Missing a section/file

ERROR(S) FOUND IN MAT=9228, MF= 3, MT=451
 LRP = 0 Requires the presence of File 2, but it is missing.

2. File has wrone sublibrary ID number in header

ERROR(S) FOUND IN MAT=9228, MF= 1, MT=451
INVALID SUBLIBRARY NUMBER NSUB = 19
DIST-DEC06

SEQUENCE NUMBER
20111222

4

____std-092_U_238.endf ____

• checkr Errors:

1. Missing a section/file

ERROR(S) FOUND IN MAT=9237, MF= 3, MT=451
 LRP = 0 Requires the presence of File 2, but it is missing.

2. File has wrone sublibrary ID number in header

ERROR(S) FOUND IN MAT=9237, MF= 1, MT=451

INVALID SUBLIBRARY NUMBER NSUB = 19 SEQUENCE NUMBER 4

DIST-DEC06 20111222

• fizcon Errors:

1. Data for a reaction started at a minimum Ein that is incorrect, based upon reaction's Q value or other ENDF expectations.

ERROR(S) FOUND IN MAT=9237, MF=33, MT= 18

ENERGY INCORRECT SEQUENCE NUMBER 4

EXPECT 1.00000E-05, FIND 5.00000E+05

ENERGY INCORRECT SEQUENCE NUMBER 734

EXPECT 1.00000E-05, FIND 5.00000E+05