

Memo 4C-3/296

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To: Distribution

2 June 1986

From: O. Schwerer *O. Schwerer*

J.J. Schmidt
Clearance: J.J. Schmidt, Head
Nuclear Data Section

Subject: TRANS 1204-1208, 2108, 2109, 4061

Please find attached our comments on EXFOR TRANS tapes 1204 through 1208, 2108, 2109, and 4061.

In TRANS 2108 and 2109, some mistakes occur systematically:

- 1) All BIB sections of all retransmitted subentries (which is most of TRANS 2108 and 2109) have wrong alter flags in col. 80 seemingly added automatically:
 - a) all 'BIB' records have a 'D' in col. 80 (which means that one or more following records were deleted which is not the case);
 - b) all other records of the BIB sections are marked with 'R'. This should be used only when a section is totally rewritten or has very many changes, however, in these TRANS tapes there are typically only 1 or 2 (or no) minor changes. We would (for future TRANS tapes) prefer having the individual changes marked as usual with C,I,D, in particular since no details are given under HISTORY either.
- 2) REFERENCE: if an issue-number of a journal is given, it must be put in parentheses.
- 3) Avoid opening parentheses in col. 12 within free text.
- 4) NOSUBENT records require an asterisk in col. 80.

Distribution:

1. S. Pearlstein, NNDC
2. N. Tubbs, NEA/DB
4. V.N. Manokhin, CJD

NDS: D.E. Cullen
V. Goulo
M. Lammer
H.D. Lemmel
K. Okamoto

M. Oshomuvwe
J.J. Schmidt
O. Schwerer
M. Seits
file copies

<u>Entry</u>	<u>Subent</u>	<u>Line</u>	<u>Comment</u>
<u>TRANS 1204</u>			
no comments			
<u>TRANS 1205</u>			
11934	1	6	remove '(' in col. 12
<u>TRANS 1206</u>			
11696	10	8	HISTORY code missing (see subentry 3)
<u>TRANS 1207</u>			
10644	14,16		check HISTORY entries (dates not in sequence)
12913	2	5	delete SF4
12959	2,3	3	delete extra parenthesis
13026	11		delete EN from DATA section (MOM given in subentry 1)
<u>TRANS 1208</u>			
11755	3	3	delete ')' in SF6
<u>TRANS 2108</u>			
20148	1	13	remove '(' in col. 12
20341	12	33,59 75,105 121,137	check data table (2 values for cos = 0)
20582	2	10	delete MISC-COL entry (heading is TEMP)
20693	8,10,12, 13,17		ERR-3 missing (given under ERR-ANALYS in subentry 1)
20740	2,3	1	* in col. 80 missing
20864	1	3	invalid ref-date
21004	1	3	put issue- # in parentheses
21076	6	1	* in col. 80 missing
21314*)	1		illegal use of pointers, use for monitor reactions is in conflict with multiple reaction formalism in subentries 3-6. Propose to remove pointers from lines 18,21,23,58 and to use MONIT3 and MONIT3-ERR in COMMON section (as done under ERR-ANALYS already).

*) Retransmission requested

Entry Subent Line Comment

TRANS 2108

21653	1	3	put issue-# in parentheses
21798*)	2	87	missing exponent of ASSUM-ERR
21982	2	1	* in col. 80 missing

TRANS 2109

20014	1	47	remove '(' in col. 12
20036	6		headings under EN-SEC and in data section do not agree
20042	2	4 16	code must start in col. 12 pointers missing (RATIO 1, DATA 2)
20049	8	6	(NONE) is not a valid code
20721			entry repeated on this TRANS
20765	1	3	put issue-# in parentheses
20794	8*)	3	REACTION code wrong, should probably be 5-B-10(N,2N+P+A)2-HE-4
20890	7,8	4	-G missing
21395	2 8,19,20*)	3 3	opening parenthesis missing REACTION code wrong: for (N,ABS) SF4 must be blank (not defined); or change to (N,G) if this is meant
21649	1	34	remove '(' in col. 12
21901	1	60	N2=6
21976	1	25	N2=6

TRANS 4061

40524	6		EN-MIN should not be given when resonance energy is given under DATA
40525	2,4		
40845	2-17		only MONIT-ERR given (always 1%), but MONIT - values missing - are they also missing in the references?
40857	2	5	delete 'PAR' (obsolete for SPC)
40871	8-13		MISC heading not permitted in COMMON-section according to Manual, use free text
40877	2-6		since yields for reactor neutrons are given, all REACTION codes need modifier FIS or SPA (see Manual under 'spectrum average').

*) Retransmission requested