

Memo 4C-3/364

17 June 1992

To: Distribution

From:

   
M. Lammer and O. Schwerer

Subject: Comments on TRANS 1249, 4086, 4087

Please find attached our comments on TRANS 1249, 4086, and 4087.

Distribution:

C.L. Dunford, NNDC  
N. Tubbs, NEA-DB  
V.N. Manokhin, CJD  
V. McLane, NNDC

NDS: R. Arcilla  
S. Ganesan  
M. Lammer  
H.D. Lemmel  
A. Pashchenko  
O. Schwerer  
Wang Dahai  
H. Wienke  
3 spare copies

MEMO4C.SA/sa x1716

Memo 4C-3/364  
1992-06-17

## Comments on TRANS 1249

Entry	Subent	Line(s)	Comment
10301 } 10566 }			no recent HISTORY entry
12896			no recent HISTORY entry, no alter flags
13480 13482	2 2	21 } 16 }	no accession number or explanation with DEP code under STATUS
13498	1	7	Facility code missing under FACILITY
13531	3	184	all independent variables repeated

## Comments on TRANS 4086

Entry	Subent	Line(s)	Comment
40205	1		STATUS (RIDER) only correct for relevant subentry
	2,4,6-9	3,4	free text should rather be given under STATUS
	2	9 12	-G missing duplicate record
	4	7	-G missing
	6	3	SF4: ELEM/MASS missing; add METHOD (RVAL) R-value relative to Pu-239 thermal MONIT-REF; delete 2nd reference (used only for estimating ind.yield of Cs-136)
	7	3	ELEM/MASS missing add METHOD (RVAL)
	8	3	REACTION should be: ...(O,F)ELEM,MASS,CUM,FY)
	9	3	REACTION should be ...(O,F)MASS,CHN,FY
40371	3,4		units should probably be ARB-UNITS rather than NO-DIM
40389 *)	2		- add (ABSFY) to METHOD - delete MONITOR - add FLAG to value for Ba-139 according to note in Table 1 of publication (obtained from Ba-139/Ba-140 ratio)
	3		- add METHOD (RVAL) - value for Cs-155 is independent yield, should be in separate subentry

\*) retransmission required

## Comments on TRANS 4086 (cont)

Entry	Subent	Line(s)	Comment
(40389)	(3)		- value for Ba-140 is reference yield for R-value, should be MONITOR (all Pu-239 monitor yields should be given, as in Table 3 of publication, which also contains the data of subentry 9. See memo CP-D/185 for coding of R-values and corresponding monitors.)
	4		- add METHOD (ABSFY) - delete MONITOR (apparently all values are absolute)
	7		- REACTION should be ...(N,F)ELEM/MASS,CUM,FY) because this is average of measured cumulative yields - add ELEM to DATA table according to Table 4 of publication.
	9		add METHOD (RVAL)
	10		should be included in subentry 17 (part of R-value measurements of Table 5, see subentry 4)
40489 *)			MONITOR in subentry 1 and all RECTIONS of subentries 2-4: replace PRE by CUM
40545			- add METHOD (ASEP) mass spect. measurement of relative Xenon yields - add explanation: REL modifier: sum of relative yields for given element = 100%
40554	1		- add METHOD code (FPGAM) - COMMON: change EN-DUMMY to EN-MEAN
	4	17 }	add 0. to ISOMER column
	5	14 }	

\*) retransmission required

## Comments on TRANS 4086 (cont)

Entry	Subent	Line(s)	Comment
(40554)	6	22	value probably refers to m+g (cf. subentry 41086.004), delete 1. under ISOMER
41026	2-6		units for partial delayed neutron yields: units PC/FIS as given here should be accepted although Exfor dictionary 36 requires dimension NO. (There is some inconsistency in the dictionary which should be discussed.)
41070	4	28	This value should be coded as MONITOR in COMMON section
41071	3,4,6,7		only 1 data line, therefore FP should be coded in REACTION SF4 rather than under ELEMENT, MASS.
	3,4		same data, with MONITOR and DATA exchanged
41072	1	7	free text: 'individual' should read 'independent'
41081 *)	2-4		These are relative values with sum of isotopes for given element=100 (compare comment on entry 40545), without an actual monitor. Therefore: - add /REL to REACTION SF8; - delete MONITOR from BIB and DATA section; - change units from PC/FIS to ARB-UNITS - add value for Xe-134 to DATA table.
41083 *)			Entry should be deleted, because it is identical with 40389 (same TRANS tape).

\*) retransmission required

## Comments on TRANS 4087

Entry	Subent	Line(s)	Comment
40004	4	16	-G missing
40007	5	6,7	(DEP,40007003) (DEP,40007004)
40257	1	4	Ref. type should be R New report code INIS-SU- will be added to dictionary 6
	2,3		all REACTIONS: replace FIS by FST (fast reactor spectrum)
41084	2-7		all REACTIONS: replace FIS by FST
	2,3	3	put reaction product in SF4
	4	4,5	COMMENT contradicts MONITOR
41085 *)	2		- Move MONIT to COMMON section. (The way it is coded - giving the same value as DATA and MONIT, and repeating it for all fission products, creates inconsistencies) - DATA unit cannot be PC/FIS (not absolute yields), please correct
41086 *)	2-13		STATUS (RNORM,40554...) not correct because values are <u>identical</u> to those of entry 40554
41087 *)	2-4		- add REL to REACTION - change units to ARB-UNITS (not PC/FIS because DATA and MONIT for ELEMENT=54 add up to 100%) - Move MONIT to COMMON section

\*) retransmission required