

MEMORANDUM 4C-2/72

Date : 23rd April, 1976  
From : Keichiro Tsuchihashi  
Subject : Comments on EXFOR Tapes

*K. Tsuchihashi*

1. General remarks
2. Detailed comments
3. Listing of correction cards and formal errors.

1. This memorandum reports errors found during the conversion of EXFOR tapes :

1036 - 1049  
3015 - 3019  
and 4016 - 4024

to the internal CCDN format. Formal errors found within individual records will be listed separately. Errors which we call 'bookkeeping errors', and which impede the processing of the tapes (N1, N2 wrong, absence of headings in non-empty columns, etc.) we had to correct; the correction cards are listed separately.

2. TRANS 1036

10342 001 HISTORY Missing

TRANS 1037

10275 002 DATA (Unit) KEV → MEV  
B/SR → MB

TRANS 1038

10037 001 HISTORY Keyword missing

10238 001 HISTORY Keyword missing

10265 006 DATA 1 (Unit) MILLI-EV → EV

TRANS 1039

10004 002 DATA EN decreases locally

10008 005 DATA EN decreases locally

TRANS 1042

10025 005 E-MIN, E-MAX, EN Columns not in order.

009

011

014

015

017

020

cc/Schmidt

Attree

Lemmel

Okamoto

Lorenz

Lammer

Khalil

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Distribution

Dr V. Manohkin (5 copies)  
Dr S. Pearlstein (5 copies)  
Dr J.J. Schmidt (5 copies)

TRANS 1042 (Cont/d)

10025 015	DATA (Unit)	MB/SR is not consistent with Quantity GEM, DA/DE
10025 005	EN	Not monotonous
011		
017		

TRANS 1044

10263 004	EN	Not monotonous
10351 002	DATA (Unit)	B/SR/MEV for GEM, DA should be B/SR
10500 001	HISTORY	Missing

TRANS 1045

10313 002	EN	Not monotonous
10313 003	DATA (Unit)	MEV for gnr/r/r should be MILLI-EV

TRANS 1046

10403 002-011	MOM	Range of 34. to 273. GEV/C beyond the energy with which we are concerned.
10443 002		

TRANS 1047

10045-ALL	COS	Data missing
10081 002-021	DATA	EN-ERR → EN-RES-ERR
025-036		
16162 002	HISTORY	Keyword missing.

TRANS 3017

30293 002	DATA	EN → EN-RES ?
30299 001	REFERENCE	Reference not given in SAN001 but in the succeeding SANS

TRANS 3018

30303 002-003	DATA	E-LVL-INI, E-LVL-FIN should precede DATA, DATA-ERR
30304 002-003		

TRANS 3019

30309 002	DATA	E-LVL-INI, E-LVL-FIN should precede DATA, DATA-MAX.
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TRANS 4016

40085 005		Several data lines are missing measured data
006		
40085 006	EN	Not monotonous
40092 001	PART-DET	Keyword missing

TRANS 4016 (Cont/d)

40158 005	EN	Not monotonous
40170 007	DATA	EN-MIN → EN-RES EN-MAX → EN-RES-ERR

TRANS 4017

40195 002	ISO-QUANT	RA-228 → RA-226
40207 003	EN	Not monotonous

TRANS 4018

40101 ALL	DATA (Unit)	B/SR → MB/SR
40204 002-003	DATA	HEADING EN in Common Section should be EN-NRM
40205 003	EN	Not monotonous
004		
005		
007		
40215 003	EN	Not monotonous
40209 002-003	EN	Missing
40220 002	DATA (Unit)	MB/SR/MEV not matched with Quantity NP, DE.

TRANS 4019

40037 101	EN	Not monotonous
103		
107		
122		

TRANS 4020

40112 015	EN	Not monotonous
40191 004	EN	Not monotonous
40208 005	EN	Not monotonous
40236 003	EN	Not monotonous
40238 016	EN	Not monotonous
40237 004	DATA	EN → E
40210 008-010	DATA	E → DATA

TRANS 4021

40156 003	EN	Not monotonous
40156 005	EN	Not monotonous
40207 003	EN	Not monotonous
40271 003	EN	Not monotonous
40170 007	DATA	Heading (see TRANS 4016) EN-MIN, EN-MAX → EN-RES, EN-RES-ERR

TRANS 4022

40226-034	DATA-ERR	Missing
40233 002	EN	Not monotonous
40235 005	EN	Not monotonous
010		
40248 003	EN	Not monotonous
40265 002	EN	Not monotonous
40266 004	EN	Not monotonous
40274 005	EN	Not monotonous
40260-ALL	STANDARD	Given doubly in main and subentries.

TRANS 4023

40262 002	EN(Unit)	NO-DIM → MEV
40283 002	FLAG (Unit)	MEV → NO-DIM

TRANS 4024

40245 002	EN	Not monotonous
40255 005	EN	Not monotonous
40279 016	EN	Not monotonous
40315 002	EN	Not monotonous
40284 002	DATA	Wrong data value
40305 005	DATA (Unit)	B → NO-DIM.

3. Listing of correction cards and formal errors

Errors automatically detected by checking program CHECKT within individual records and not classified as "bookkeeping errors" are listed here. We show the correction cards which were used to remove the bookkeeping errors. Also excluded from the list are rejections due to absence of certain codes in the X4 dictionaries as they stand at the time of transmission. These codes can be considered for next dictionary update, and are the following :

<u>Dictionary 6</u>	BRL-R-	(10319)	} Now included
	IAEA-R-	(30314)	
	IFA-NR-	(30140)	
	INDC(POL)-	(30274)	
	LA-DC-	(10117)	
	LNS-	(30314)	

Reports which contain more than one digital subfield are automatically rejected.

C00-3058-39-	(10427, 10252)
IRT-8099-	(10219)
KFKI-73-	(30281)
LA-4648-MS	(10223)
LA-5662-MS	(10442)

	NYO-72-190	(10081)
	ORNL-CF-66-12-9	(10368)
	TU-05-8	(30275)
<u>Dictionary 14</u>	EL,POL,,D	(10372)
	GEM,DA/DE,PAR	(10025, 10311, 10352, 10398)
	GEM,LEG,PAR	(10028, 10110)
	ING,SPC/DA	(40313, 40315)
	ING,DA/DE,PAR	(10502)
	INL,DA/DE,PAR	(10284)
	INL,LEG,PAR/2L2	(10284, 10413, 10469)
	NA,DA,GND	(40261)
	NA,DA,MS	(40261)
	NU,RES,PR	(10427)
	NF,DA,FCT	(10223)
	NEM,DA/DE	(40037) - Now included
	NG/WID,,2G	(10543) - Now included
	NG/STF	(10155)
	NNP,DA/DE	(10297)
	NT,ASY/DA	(10548)
	N3N,,GND	(10536)
	N4N,,GND	(10536)
	ABS,RI,RNV	(10546)
	SF/NU,DE,PR/RTE	(46250) - Now included
	TOT,RI	(40170)
	TOT/WID,RED	(10450)
<u>Dictionary 24</u>	MISC 3	(40260)
	MISC 4	(40260)

See also the listing which was distributed at the 12th 4-Centres Meeting.