

Short analysis of IAEA-NDS EXFOR DB errors report

There are three types of mistakes which registered every time after updating EXFOR DB:

1. Not valid Reaction-Code
2. Errors in BIB line
3. Errors in SUBENT Date
4. no Authors
5. no Title

1. Not valid Reaction-Code – it means:

- a) real mistake, which was omitted while correction or
- b) new codes still not included in Dict.236
- c) MEMO was not issued for new code.

According to errors mentioned in the list, since last year only 8 of them were corrected, 17 errors still from the last year and 32 errors new.

2. Errors in BIB line – it means that responsible centre sent final version of the Trans without run through programs ORDER and CHEX and additionally NDS didn't do it before update EXFOR DB.

3. Errors in SUBENT Date – it means that compiler put wrong date in line SUBENT.

4. No authors – almost all such mistakes were corrected last year by NDS (32 cases). Three are still not corrected. In two cases references wasn't found, in third – instead of authors in articles are given "The first research group".

5. **No title** – the list of such cases reduced twice.

Statistics (what was done since NRDC-2008):

Area	Number of Entries needed correction since 2008 (WP2008-10)	Number of Entries corrected	Who made corrections
Area 1	53	14	by NDS and Vicki McLane
Area 2	3	0	-
Area 3	2	0	-
Area 4	3	0	-
Area F	4	0	-

Sometimes it is impossible to find reference: in case of old thesis or report.

Relevant actions from 2008 NRDC meeting:

A20	Dunaeva, Zerkina	Send list of found errors to NRDC after every new EXFOR/CINDA dictionary transmission.
A21	All	All Correct errors within own area (see also list in WP2008-10); all mistakes from such lists should be corrected in the next transmission (although mistakes which remain from 2007 may take longer).
A22	All	If a title cannot be found for an entry, this entry should be entitled “No title”, and an explanation should be given as a comment.

NDS, 08-May-2009 15:27:53
EXFOR Updating. Errors report.

Data source:

- 1) W:\x4load5\x4trans\2009-05-08\trans-nds.2210
- 2) W:\x4load5\x4trans\2009-05-08\trans-corr.g018

Total Errors/Warnings: 103

Contents

- [Not valid Reaction-Code](#)
- [No Authors](#)
- [No Title](#)

No Such Reaction Code in DICT036

n	SF5-SF8	Acc#
1	,DA,,CS2/RS	M0133.7
2	,DA,,SN2/RS	M0186.12,13,14,15,16
3	,DA,A+RSD	F0880.8
4	,DA,LF+HF	O0375.7,8,9,10,11
5	,DA,P+P,TT	C0988.3
6	,DA,P+RSD	F0880.7
7	,DA/DA/DP,PI0/P+P/P+P	E2105.2
8	,DA/DE,P/20-CA-40	D0271.2
9	,DE,P+P,TT	C0988.4
10	,MLT/DE,G,TT	41507.2
11	,POL/DA/DA/DE,P/A/RSD	C1559.3
12	,POL/DA/DA/DP,PI0/P+P/P+P,VAP	E2105.3
13	,POL/DA2/DE2,P/P	E2108.3,4,5
14	,WID/STR,,RM	23044.2
15	LL,POL/DA2/DE2,P/P,D	E2108.27,28,29
16	LS,POL/DA2/DE2,P/P,D	E2108.23,24,25
17	NN,POL/DA,P,K	D0480.6
18	NN,POL/DA/DE,,ANA	E0816.14,15,16,17,18,19,32,33,34,35,36,37; O1321.4,7
19	NN,POL/DA2/DE2,P/P,D	E2108.11,12,13
20	PAR,AKE,N/FF	14065.7,8,10
21	PAR,DA,,LEG/1K2	A0045.5,6,7
22	PAR,DA,G,TT	O0913.3
23	PAR,DA,P+A	C1559.2

24	PAR,DA,P,IPA	C0988.2
25	PAR,DA/DE,P/20-CA-40	D0271.3,4
26	PAR,IPA/DE	D0475.4
27	PAR,POL/DA,P/A,ASY	C0157.3
28	PAR,POL/DA/DA,P/A,ANA	D0463.3
29	PAR/SEC,AP,HF	21544.11
30	PAR/SEC,FY,FF	21544.12
31	PR,AKE/DA,N	23056.2,3,4,5
32	PR,AKE/DA,N/N+LF	22756.9,10; 41516.3
33	PR,DA,N+FF	30318.2
34	PR,DA,N+LF	22756.7,8; 41516.2
35	PR,KE,N	22464.3; 22650.8; 22660.3
36	PR,NU/DA/DE,N+LF/N	22756.2,3,4,5; 41516.4,5,6
37	PR/PAR,MLT,G	14195.2,3,4
38	SEC,KE,FF	21313.13,14; 21543.16,17; 21544.9; 21545.15,16; 23054.11
39	SEC,KE,LF+HF	21313.15,16; 21543.14,15; 21544.10; 21545.17,18; 21771.13,14
40	SL,POL/DA2/DE2,P/P,D	E2108.19,20,21
41	SS,POL/DA/DE,,ANA	E0816.8,9,10,11,12,13,26,27,28,29,30,31
42	SS,POL/DA2/DE2,P/P,D	E2108.15,16,17
43	TER,DE	30320.2,3
44	TER,KE,FF	22734.3,5; 22859.2; 22899.2
45	TER/CHG,FY,4-BE-10	41464.5
46	TER/CHG,FY,6-C-14	41464.6
47	TER/CHG,FY,A	41464.4
48	TER/CHG,FY,LCP	41464.2
49	TER/PAR,FY	22063.2,3,4

Total: Codes: 49, ENTRY: 40, SUBENT: 136

ENTRY-list:

M0186; O0375; E2108; E0816; O1321; 14065; A0045; D0271; 23056; 22756; 41516; 14195;
21313; 21543; 21545; 21771; 30320; 22734; 22063

No Authors

n	Acc#	Input	Reference-1	Title
1	11725	1982-11-30	P,ANL-6580,32,6206	
2	21516	1980-04-17	P,EANDC(E)-76U,76,6701	-ELASTIC AND INELASTIC SCATTERING OF 14 MEV NEUTRONS FROM SI.-

3	S0025	1992-09-22	J,PHE,9,(6),723,198511	Low energy cross-sections measurement of d-d and d-t reactions
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No Title

n	Acc#	Input	Reference-1	Author-1
1	11011	1976-06-28	P,WASH-1034,10,6112	E.G.Bilpuch
2	11016	1976-06-28	R,LA-1655,54	N.G.Nereson
3	11164	1976-06-28	C,68WASH,1,153,6803	W.F.E.Pineo
4	11180	1976-09-24	P,ANL-4963,3,5301	C.T.Hibdon
5	11207	1976-06-29	P,WASH-1028,29,6004	D.D.Phillips
6	11259	1976-06-29	P,WASH-745,9,5803	D.J.Hughes
7	11352	1976-07-14	R,MIT-REP-45,5009	H.B.Willard
8	11354	1976-10-14	C,68WASH,1,225(B-13),6803	L.F.Hansen
9	11378	1976-07-14	P,LMSC-4-50-62-1,22,6210	R.G.Johnson
10	11422	1976-07-15	T,SEPPI,56	E.J.Seppi
11	11434	1976-07-15	R,ANL-4680,5,51	C.T.Hibdon
12	11448	1976-07-15	R,ORNL-CF-53-8-22,5308	H.Reese Jr
13	11535	1976-07-15	P,CU-125,4,52	E.Melkonian
14	11652	1976-07-30	T,BENDT,5305	P.J.Bendt
15	11683	1976-07-30	P,A-ARK-60,3,6001	A.Poularikas
16	11684	1976-07-30	P,A-ARK-60,6,196101	J.Nix
17	11692	1982-11-08	P,ORNL-4013,5,6609	J.H.Gillette
18	11725	1982-11-30	P,ANL-6580,32,6206	
19	11733	1976-07-30	T,HAUGSNES,67	J.Haugnes
20	11789	1976-07-31	P,A-ARK-60,2,6001	I.L.Preiss
21	11796	1976-07-31	R,LAMS-95,44	J.M.Blair
22	11887	1976-07-31	B,RCS,,642(70),51	E.Hoagland
23	11981	1976-08-02	P,WASH-1041,30,6210	R.L.Macklin
24	11986	1976-08-02	P,CP-3801,24,47	M.Goldhaber
25	12044	1976-08-02	P,BNL-C-9,89,49	D.W.Engelkemeir
26	12045	1976-08-02	P,BNL-C-9,70,49	L.Yaffe
27	12124	1976-08-03	P,WASH-1031,16,6102	R.Schermer
28	12177	1976-08-03	P,WASH-1013,16,5811	R.E.Chrien
29	12181	1976-08-03	P,A-ARK-60,4,6001	A.Poularikas
30	12386	1976-08-04	R,MDDC-103,44	W.W.Havens Jr
31	12430	1976-08-04	P,HW-33384,33,5411	B.R.Leonard Jr
32	12462	1976-08-04	C,61VIENNA,,125,61	D.Butler
33	12463	1976-08-04	P,ANL-4490,5,5006	P.R.Fields

34	12473	1976-08-04	P,ORNL-1477,13,5212	G.S.Pawlicki
35	12500	1976-08-04	R,LA-1669,8,5501	G.A.Cowen
36	12515	1976-08-04	R,CRGP-458,5101	P.R.Tunncliffe
37	12549	1976-08-04	R,AECD-4256,1957	R.L.Henkel
38	12551	1976-08-04	R,HW-62727,19,1959	B.R.Leonard Jr
39	12669	1984-11-05	R,ANL-4097,4801	D.J.Hughes
40	22555	1982-03-31	P,NRDC-84,9,195512	J.E.Egelstaff
41	22568	1982-03-31	R,AERE-NP/M-89,1958	N.J.Pattenden
42	22570	1978-03-31	R,AERE-NP/M-88,1958	N.J.Pattenden
43	30956	1988-10-17	T,IZAK,70	T.Izak
44	30964	1988-10-17	T,VENEZIA,73	A.Venezia
45	40801	1984-09-12	J,IFG,8,75,62	V.F.Gerasimov
46	41173	1995-06-23	J,YF,33,(3),620,198103	E.F.Fomushkin
47	41222	1996-10-03	C,55MOSCOW,,294,5507	T.G.Abov
48	F0008	1982-01-08	J,NP/A,269,61,197609	G.A.Sawyer
49	F0058	1987-05-06	T,CYBULSKA,1978	E.W.Cybulska
50	F0326	1985-09-26	R,UNIV-MI-88,197306	P.Hange
51	F0515	1996-04-24	J,BAP,14,1209,1969	R.W.Kavanagh

Project: EXFOR-Relational, [V.Zerkin](#), IAEA, 1999-2003