

### 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.136
- c) MEMO was not issued for new code.

According to errors mentioned in the list, since last year only 5 of them were corrected, 8 errors still from the last year and 17 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-2007):

Area	Number of Entries needed correction since 2007 (WP2007-15)	Number of Entries corrected	Who made corrections
Area 1,C	88	55	by NDS and Vicki McLane
Area 2	6	3	NEA DB
Area 3	7	2	NDS
Area 4	8	3	CJD
Area E	1	0	JCPRG
Area F	4	4	-
Area P	5	0	NDS

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

Actions:

1. after new EXFOR/CINDA dictionaries transmission NDS sends list of errors of EXFOR DB update to NRDC.

2. according to the list of errors every centre takes responsibility for correcting errors of its area.

3. in case when it is impossible to find title for old Entries, can be written: "Title cannot be restored."

4. all mistakes from the list of errors have to be corrected in the next transmission.

NDS, 11-Sep-08 17:25:37  
 EXFOR Updating. Errors report.  
 Data source:

1) C:\x4load5\x4vms\EXFOR-2008-09-11.bck

### **Total Errors/Warnings: 97**

#### Contents

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

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#### No Such Reaction Code in DICT036

n	SF5-SF8	Acc#
1	,DA,,CS2/RS	M0133.7
2	,DA,,SN2/RS	M0179.2; M0184.2,3,4,5; M0186.12,13,14,15,16; M0191.2
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	,DE,P+P,TT	C0988.4
8	,MLT/DE,G,TT	41507.2
9	,POL/DA,P,AZI	M0536.4
10	,POL/DA/DA/DE,P/A/RSD	C1559.3
11	NN,POL/DA/DE,,ANA	E0816.14,15,16,17,18,19,32,33,34,35,36,37
12	PAR,AKE,N/FF	14065.7,8,10
13	PAR,DA,,LEG/1K2	A0045.5,6,7
14	PAR,DA,G,TT	O0913.3
15	PAR,DA,P+A	C1559.2
16	PAR,DA,P,IPA	C0988.2
17	PAR,POL/DA,,ASY/PP	M0740.2,3,4,5
18	PAR,POL/DA,P/A,ASY	C0157.3
19	PAR,POL/DA/DA,P/A,ANA	D0463.3
20	SS,POL/DA/DE,,ANA	E0816.8,9,10,11,12,13,26,27,28,29,30,31
21	TER/CHG,FY,4-BE-10	41464.5
22	TER/CHG,FY,6-C-14	41464.6
23	TER/CHG,FY,A	41464.4

24	TER/CHG,FY,LCP	41464.2
25	TER/PAR,FY	22063.2,3,4

**Total: Codes: 25, ENTRY: 20, SUBENT: 70**

ENTRY-list:

M0184; M0186; O0375; E0816; 14065; A0045; M0740; 22063

#### BIB Line Errors: N1 # nKeywords

n	SubAcc#	N1, nKW
1	F0526003	N1=4, nKW=2
2	F0850002	N1=2, nKW=3

ENTRY-list:

F0526; F0850

#### SUBENT N2 Error (DateUpdated)

n	ENTRY#	Subent:N2
1:1	12288	002:1998081305 003:1998081305

2 errors in 1 Entries

#### No Authors

n	Acc#	Input	Reference-1	Title
1	<a href="#">11725</a>	1982-11-30	P,ANL-6580,32,6206	
2	<a href="#">21516</a>	1980-04-17	P,EANDC(E)-76U,76,6701	-ELASTIC AND INELASTIC SCATTERING OF 14 MEV NEUTRONS FROM SI.-
3	<a href="#">S0025</a>	1992-09-22	J,PHE,9,(6),723,198511	Low energy cross-sections measurement of d-d and d-t reactions

#### No Title

n	Acc#	Input	Reference-1	Author-1
1	<a href="#">10368</a>	1973-12-10	P,ORNL-CF-66-12-9,6,1966	R.E.Lewis
2	<a href="#">11011</a>	1976-06-28	P,WASH-1034,10,6112	E.G.Bilpuch
3	<a href="#">11016</a>	1976-06-28	R,LA-1655,54	N.G.Nereson
4	<a href="#">11164</a>	1976-06-28	C,68WASH,1,153,6803	W.F.E.Pineo
5	<a href="#">11180</a>	1976-09-24	P,ANL-4963,3,5301	C.T.Hibdon
6	<a href="#">11207</a>	1976-06-29	P,WASH-1028,29,6004	D.D.Phillips

7	<a href="#">11259</a>	1976-06-29	P,WASH-745,9,5803	D.J.Hughes
8	<a href="#">11352</a>	1976-07-14	R,MIT-REP-45,5009	H.B.Willard
9	<a href="#">11354</a>	1976-10-14	C,68WASH,1,225(B-13),6803	L.F.Hansen
10	<a href="#">11378</a>	1976-07-14	P,LMSC-4-50-62-1,22,6210	R.G.Johnson
11	<a href="#">11422</a>	1976-07-15	T,SEPPI,56	E.J.Seppi
12	<a href="#">11434</a>	1976-07-15	R,ANL-4680,5,51	C.T.Hibdon
13	<a href="#">11448</a>	1976-07-15	R,ORNL-CF-53-8-22,5308	H.Reese Jr
14	<a href="#">11535</a>	1976-07-15	P,CU-125,4,52	E.Melkonian
15	<a href="#">11652</a>	1976-07-30	T,BENDT,5305	P.J.Bendt
16	<a href="#">11683</a>	1976-07-30	P,A-ARK-60,3,6001	A.Poularikas
17	<a href="#">11684</a>	1976-07-30	P,A-ARK-60,6,196101	J.Nix
18	<a href="#">11692</a>	1982-11-08	P,ORNL-4013,5,6609	J.H.Gillette
19	<a href="#">11725</a>	1982-11-30	P,ANL-6580,32,6206	
20	<a href="#">11730</a>	1976-07-30	R,ORNL-1278,3,5112	C.H.Johnson
21	<a href="#">11733</a>	1976-07-30	T,HAUGSNES,67	J.Haugsnæs
22	<a href="#">11773</a>	1976-07-31	P,ORNL-1620,42,53	G.W.Pawlicki
23	<a href="#">11789</a>	1976-07-31	P,A-ARK-60,2,6001	I.L.Preiss
24	<a href="#">11796</a>	1976-07-31	R,LAMS-95,44	J.M.Blair
25	<a href="#">11887</a>	1976-07-31	B,RCS,,642(70),51	E.Hoagland
26	<a href="#">11981</a>	1976-08-02	P,WASH-1041,30,6210	R.L.Macklin
27	<a href="#">11986</a>	1976-08-02	P,CP-3801,24,47	M.Goldhaber
28	<a href="#">12044</a>	1976-08-02	P,BNL-C-9,89,49	D.W.Engelkemeir
29	<a href="#">12045</a>	1976-08-02	P,BNL-C-9,70,49	L.Yaffe
30	<a href="#">12124</a>	1976-08-03	P,WASH-1031,16,6102	R.Schermer
31	<a href="#">12177</a>	1976-08-03	P,WASH-1013,16,5811	R.E.Chrien
32	<a href="#">12181</a>	1976-08-03	P,A-ARK-60,4,6001	A.Poularikas
33	<a href="#">12303</a>	1976-08-04	R,ORNL-1620,42,5312	H.Pomerance
34	<a href="#">12306</a>	1976-08-04	R,LAMS-938,50	W.Nyer
35	<a href="#">12307</a>	1976-08-04	P,ORNL-1415,15,5302	H.Pomerance
36	<a href="#">12312</a>	1976-08-04	R,LA-520,4603	J.H. Williams
37	<a href="#">12359</a>	1976-08-04	R,LA-190,44	E.E.Anderson
38	<a href="#">12386</a>	1976-08-04	R,MDDC-103,44	W.W.Havens Jr
39	<a href="#">12396</a>	1976-08-04	R,LA-1493,5211	R.L.Henkel
40	<a href="#">12430</a>	1976-08-04	P,HW-33384,33,5411	B.R.Leonard Jr
41	<a href="#">12437</a>	1976-08-04	R,LA-1681,5406	J.S.Wahl
42	<a href="#">12462</a>	1976-08-04	C,61VIENNA,,125,61	D.Butler
43	<a href="#">12463</a>	1976-08-04	P,ANL-4490,5,5006	P.R.Fields
44	<a href="#">12473</a>	1976-08-04	P,ORNL-1477,13,5212	G.S.Pawlicki
45	<a href="#">12500</a>	1976-08-04	R,LA-1669,8,5501	G.A.Cowen

46	<a href="#">12514</a>	1976-08-04	R,LA-719,4812	W.Nyer
47	<a href="#">12515</a>	1976-08-04	R,CRGP-458,5101	P.R.Tunnicliffe
48	<a href="#">12524</a>	1976-08-04	R,LA-1446,5207	J.H.Coon
49	<a href="#">12549</a>	1976-08-04	R,AECD-4256,1957	R.L.Henkel
50	<a href="#">12551</a>	1976-08-04	R,HW-62727,19,1959	B.R.Leonard Jr
51	<a href="#">12608</a>	1978-04-12	P,ORNL-4196,66,67	W.Lyon
52	<a href="#">12669</a>	1984-11-05	R,ANL-4097,4801	D.J.Hughes
53	<a href="#">12764</a>	1982-09-23	P,LA-9381,69,8205	G.W.Butler
54	<a href="#">22555</a>	1982-03-31	P,NRDC-84,9,195512	J.E.Egelstaff
55	<a href="#">22568</a>	1982-03-31	R,AERE-NP/M-89,1958	N.J.Pattenden
56	<a href="#">22570</a>	1978-03-31	R,AERE-NP/M-88,1958	N.J.Pattenden
57	<a href="#">30956</a>	1988-10-17	T,IZAK,70	T.Izak
58	<a href="#">30964</a>	1988-10-17	T,ENEZIA,73	A.Venezia
59	<a href="#">40801</a>	1984-09-12	J,IFG,8,75,62	V.F.Gerasimov
60	<a href="#">41173</a>	1995-06-23	J,YF,33,(3),620,198103	E.F.Fomushkin
61	<a href="#">41222</a>	1996-10-03	C,55MOSCOW,,294,5507	T.G.Abov
62	<a href="#">F0008</a>	1982-01-08	J,NP/A,269,61,197609	G.A.Sawyer
63	<a href="#">F0058</a>	1987-05-06	T,CYBULSKA,1978	E.W.Cybulska
64	<a href="#">F0326</a>	1985-09-26	R,UNIV-MI-88,197306	P.Hange
65	<a href="#">F0515</a>	1996-04-24	J,BAP,14,1209,1969	R.W.Kavanagh

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