

**Nuclear Data Section
International Atomic Energy Agency
P.O.Box 100, A-1400 Vienna, Austria**

Memo CP-D/662

Date: 6 August 2010
To: Distribution
From: N. Otsuka

Subject: Draft of updated Formats Manual (IAEA-NDS-207 Rev.2010/09)

A draft of updated EXFOR (Exchange) Formats Manual (IAEA-NDS-207 Rev.2010/09) is now available at the NRDC webpage:

http://www-nds.iaea.org/nrdc/nrdc_doc/iaea-nds-0207-201009-dra.pdf.

Comments from all other NRDC members are also highly appreciated. I will correct the manuscript based on these feedbacks.

Major changes are based on memos, conclusions and actions, and they are summarized in the table below. There are also a few additional corrections.

According to Action 1 of the NRDC 2010 meeting:

“Correct titles of EXFOR Manuals to agree with the contents”

, I propose to change the title of the manual from “EXFOR **Exchange** **Formats** Manual” to “EXFOR **Formats** Manual”. There is various output formats of the EXFOR database, and probably “Exchange” in the current title intends to stress that the manual deals with the “original” EXFOR format. If we need to indicate “Exchange”, we can keep the title as it is. The current title (EXFOR Exchange Formats Manual) also agrees with its contents.

(I do not think we need to change the title of “LEXFOR – EXFOR Compiler’s Manual”).

Again this is still a draft, and open for discussion until the end of September. On the basis of your comments, I will revised the current draft, and release the final version in September 2010.

Main Changes

Page	Subject	Change	References
1.6	Alteration flag	Flags at 11 th column are compulsory; flags at 80 th column are optional.	NRDC2008/A59 NRDC2009/A36 NRDC2010/A44
6.3	REACTION	Notes on SF1 and SF2	CP-D/622 NRDC2010/A50
6.4	REACTION	SF3 code for scattering	CP-D/607
6.4	REACTION	SF4 code for scattering	CP-D/607
6.7 6.8	REACTION	Frequent occurring reaction combination	CP-D/614 NRDC2010/C25 NRDC2010/A50
7.4	AUTHOR	Formulation of coding rule	CP-N/80 NRDC2009/A45
7.10	ERR-ANALYS	New format for ranged uncertainty	CP-D/522 (Rev.) NRDC2008/A58 CP-D/530(Rev.) NRDC2009/C15
7.12	FACILITY	Free text when the location is unknown	NRDC2009/C9
7.14	INSTITTUE	Not for location of experimental site	CP-D/557 NRDC2009/C8 NRDC2009/A51 NRDC2010/A52
		Institute code for a large collaboration/group	CP-D/524 (Rev.) NRDC2008C/24
7.19 7.20	MONIT-REF	New format for ENDF libraries	CP-E/126 NRDC2008/C22 CP-N/086 CP-D/609
7.24	REFERENCE	DOI coding	NRDC2008/C20 NRDC2008/A24 CP-D/566 (Rev.) NRDC2009/C12 NRDC2009/A14 CP-D/604 NRDC2010/C30
7.24 7.25	REFERENCE	Any contents for page#	WP2008-07, NRDC2008/C23
7.25	REFERENCE	Format for reports	CP-D/517 NRDC2008/C21
7.27	REL-REF	New format for ENDF libraries	(See 7.19-7.20)
7.28	SAMPLE	Coded information for isotopic abundance	CP-D/546 NRDC2009/C7
8.1 8.3 8.4	Alteration flag	Flags at 11 th column are compulsory; flags at 80 th column are optional.	(See 1.6)

Distribution:

blokhin@ippe.ru
chiba@earth.sgu.ac.jp
claes.nordborg@oecd.org
emmeric.dupont@oecd.org
ganesan@barc.gov.in
gezg@ciae.ac.cn
hongwei@ciae.ac.cn
jhchang@kaeri.re.kr
j.roberts@iaea.org
kaltchenko@kinr.kiev.ua
katakura.junichi@jaea.go.jp
kato@nucl.sci.hokudai.ac.jp
kiralyb@atomki.hu
l.vrapcenjak@iaea.org
manuel.bossant@oecd.org
manokhin@ippe.ru
mmarina@ippe.ru
mwherman@bnl.gov
nicolas.soppera@oecd.org
nklimova@kinr.kiev.ua
n.otsuka@iaea.org

nrdc@jcprg.org
oblozinsky@bnl.gov
ogritzay@kinr.kiev.ua
otto.schwerer@aon.at
pronyaev@ippe.ru
r.forrest@iaea.org
samaev@obninsk.ru
s.babykina@polyn.kiae.su
scyang@kaeri.re.kr
s.dunaeva@iaea.org
s.simakov@iaea.org
stakacs@atomki.hu
stanislav.hlavac@savba.sk
taova@expd.vniief.ru
tarkanyi@atomki.hu
varlamov@depni.sinp.msu.ru
vlasov@kinr.kiev.ua
vmclane@optonline.net
v.zerkin@iaea.org
yolee@kaeri.re
zhuangyx@ciae.ac.cn

cc:

cgc@ciae.ac.cn
draj@barc.gov.in
naikh@barc.gov.in
makinaga@nucl.sci.hokudai.ac.jp
tsubaki@nucl.sci.hokudai.ac.jp
tmatsumoto@nucl.sci.hokudai.ac.jp
pikulina@expd.vniief.ru
valentina.semкова@hotmail.com