

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

**Memo CP-D/628**

**Date:** 24 March 2010  
**To:** Distribution  
**From:** S. Babykina, O. Gritzay, M. Mikhaylyukova, N. Otsuka, S. Taova  
**Subject:** **Coding of Voprocy Atomnoy Nauki i Tekhniki (VAT)**  
**Reference:** **Memo CP-D/535, 536**

Previously we decided coding way for two journals

“Voprocy Atomnoy Nauki i Tekhniki, Seriya Yadernye Konstanty (YK)”

“Zbirnik Naukovikh prats Institutu Yadernikh Doslidzhen (ZNJD)”

as follows:

**YK:**

1978 ~ 1984: J , YK, year,(number/parenthesized number), page, year

1985 ~: J , YK, year, (number), page, year.

**ZNJD:** J , ZNJD , number/parenthesized number , page , year

Entry	Bibliography	EXFOR Coding
<b>32208</b>	Zbirnik Nauk. Kyiv Institut. Yad. Doslid. 2002, No. <b>1(7)</b> , 15.	J , ZNJD , 1 / 7 , 15 , 2002
<b>40750</b>	Yad. Konst. 1980, No. 1 (36),26	J , YK , 1980 , ( 1 / 36 ) , 26 , 1980
<b>A0485</b>	Yad. Konst. 1990, No. 8,17	J , YK , 1990 , ( 8 ) , 17 , 1990

Similar clarification is necessary for other 5 series of “Voprocy Atomnoy Nauki i Tekhniki (Problems of Atomic Science and Technology)”:

VAT/F Vopr. Atomn. Nauki i Tekhniki, Ser. Fiziki

VAT/I Vopr. Atomn. Nauki i Tekhniki, Ser. Nucl. Phys. Invest.

(Series Nuclear Physics Investigations)

VAT/O Vopr. Atomn. Nauki i Tekhniki, Ser. Obshch.

VAT/R Vopr. Atomn. Nauki i Tekhniki, Ser. Reak.

VAT/Y Vopr. Atomn. Nauki i Tekhniki, Ser. Fiz. Yad. Reak (1989-)

Vopr. Atomn. Nauki i Tekhniki, Ser. Fiz. Tekh. Yad. Reak. (1978-1989)

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For example, the bibliography of the article of G4016 is as follows:

PROBLEMS OF ATOMIC SCIENCE AND TECHNOLOGY, 2007, N5.

Series: Nuclear Physics Investigations (48), p.48-51.

The numbering scheme was checked by centres:

	<b>Publisher</b>	<b>Numbered as:</b>
VAT/F	4UKRKFT	Sequential number + issue in year (continuing?) This numbering scheme was confirmed for - 1(1) 1972 – 2(19) 1977 by CJD. - some of 1973-1976 issues by Sarov.
VAT/I	4UKRKFT	Started in 1989. Sequential number+issue in year, This numbering scheme was confirmed for - 5(44) by CJD. - 1989-1992 issues by Sarov. - 1999 and 2009 issues by UkrNDC
VAT/O	4UKRKFT (<1983), Moscow (1984-1988)	Stopped in 1988. Sequential number+issue in year This numbering scheme was confirmed for - 1(11) 1980 – 4(44) 1988 by CJD - 1979 issues by Sarov. - stopped in 1988 as confirmed by the Kurchatov Institute Library.
VAT/R	4RUSFEI	Stopped in 1977. Sequential number + issue in year This numbering scheme was confirmed for - 4(18) by CJD. - 2(13) in 1976 by Sarov. Not used in EXFOR/CINDA.
VAT/Y	4RUSKUR	Sequential number + issue in year (-1984) - 8(45) in 1984 by CJD (the last issue having sequential number) Issue in year only (1985-) This numbering scheme was confirmed for - some of 2002 issues by CJD - some of 1989, 1996, 1998-2003, 2006 issues by Sarov.

Accordingly we propose the following coding rule:

**VAT/F:**

1972~ J , VAT / F , number/parenthesized number, page, year

**VAT/I (started in 1989):**

1989~ J , VAT / I , number/parenthesized number, page, year

**VAT/O (stopped in 1988):**

~1988 J , VAT / O , number/parenthesized number, page, year

Continues as VAT/I

**VAT/R (stopped in 1977):**

1972 ~ 1977: J , VAT / R , number/parenthesized number, page, year

Continued as VAT/Y

**VAT/Y (started in 1978):**

1978 ~ 1984 : J , VAT / Y , year,(number/parenthesized number), page, year

1985 ~ J , VAT / Y , year, (number), page, year.

**Dictionary 5 (Journal codes)**

VAT/O (Extinct)

VAT/R (Extinct)

Entry	Current reference code	Proposed coding
41306	J,VAT/F,1,(18),15,1977	J,VAT/F,1977,(1/18),15,1977 (MM)
41418	J,VAT/Y,2002,(1/2),72,2002	J,VAT/Y,2002,(1-2),72,2002 (MM)
A0130	J,VAT/O,,(2),37,81	J,VAT/O,2/16,37,1981 (SB)
A0188	J,VAT/O,4,31,1983	J,VAT/O,4/25,31,1983 (SB)
A0485	J,YK,8,17,90	J,VAT/I,8/16,17,1990 (SB)
D5023	J,VAT/I,44,(5),31,2004	J,VAT/I,5/44,31,2004 (OG)
D5039	J,VAT/I,40,(2),33,2002	J,VAT/I,2/40,33,2002(OG)
D5040	J,VAT/F,45,(6),40,2005	J,VAT/I,6/45,40,2005 (OG)
D5041	J,VAT/I,40,(2),30,2002	J,VAT/I,2/40,30,2002 (OG)
D5042	J,VAT/I,44,(5),39,2004	J,VAT/I,5/44,39,2004 (OG)
D5064	J,VAT/I,50,(5),174,2008	J,VAT/I,5/50,174,2008 (OG)
F0758	J,VAT/Y,1/2,95,2002	J,VAT/Y,2002,(1-2),95,2002 (ST)
F0759	J,VAT/Y,1/2,137,2002	J,YAT/Y,2002,(1-2),137,2002 (ST)
G4015	J,VAT/I,5,(48),22,2007	J,VAT/I,5/48,22,2007 (OG)
G4016	J,VAT/I,5,(48),48,2007	J,VAT/I,5/48,48,2007 (OG)
G4023	J,VAT/I,45,(6),3,2005	J,VAT/I,6/45,3,2005 (OG)
M0019	J,VAT/O,4,55,79	J,VAT/O,4/10,55,1979 (ST)

#### 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  
 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.kr