<div align="center">**Memo CP-D/347**</div>

Date: 15 November 2002

To: Distribution

From: M. Lammer

Subject: **Report codes**

During his conversion of the old CINDA file into the new CINDA 2001 format, Viktor Zerkin has produced a list of all reference codes found in CINDA and compared them to the EXFOR dictionaries. I have looked into all those report codes, which had no corresponding EXFOR codes. The results are presented here.

1) Restriction of code length in CINDA 2001

An addition to Memo CP-D/246: the need to insert a blank before the report number if the code is shorter than 4 characters, can be dropped (obviously also blanks required for journal codes before the volume number). Also, longer codes can be accepted (cf. item (7) below: "…. simple corrections").

2) Proposal for presentation of code in EXFOR Dictionary 6

As a requirement of coding rules, some of the codes in EXFOR dictionary 6 are so different from the codes printed on the cover of reports, that I propose to <u>add</u> in all such cases (not just a few like CEC- or INR-) the <u>actual code on the cover</u> in the text of the expansion or somewhere thereafter. This should avoid a number of coding errors (see part on coding errors in (6) and (7) below) by compilers or related problems. Example:
EXFOR: PNR/SETR-R-25   code on cover: PNR/SETR   on 2 lines
                                          R.025

3) New codes (confirmed) for inclusion in EXFOR Dictionary 6

The "confirmed" codes, I have either found on actual reports or in INIS (in a retrieval or the book IAEA-INIS-6: the INIS authority list for "report number prefixes").

AES-	2SWDAE	Aktiebolaget Atomenergi, Studsvik, reports
BNWL-TR-	(same expansion as BNWL-)	
CEA-CONF-	2FR FR	Commissariat a L'Energie Atomique (NOTE: not confined to a lab, includes publications by BRC,CEL,CAD,GRE,SAC,…)
GSI-J-	2GERGSI	(same expansion as GSI-)
KAERI/GP-	3KORKAE	Korean Atomic Research Institute reports
JINR-D6- JINR-E4- JINR-P12- JINR-P14	(same as other JINR- reports)	
OKTAV-C-	2JPNOSA	(same expansion as OKTAV-A-) Note: why not use full name OKTAVIAN-? (see comment (1) above)

PNR/SETR-	2FR CAD	(same expansion as PNR/SETR-R-) code on report cover e.g.: PNR/SETR 65.010, to be coded as PNR/SETR-65-10;
RD/B/N-	2UK CEG	(same expansion as RD/B/M-)
TIB/FICS-	2ITYITY	ENEA Dipmt. **T**ecnologie **I**ntersettorali di **B**ase/Div. **FI**sica e **C**alcolo **S**cientifico reports; code on cover: TIB/FICS (83) 4 ("ENEA" expanded: Comitato Nazionale Ricerca e Sviluppo **E**nergia **N**ucleare e **E**nergia **A**lternativa)

4) New codes (unconfirmed) for possible inclusion in EXFOR Dictionary 6

These codes, found in CINDA, I could not confirm via the sources mentioned above. They will have to be checked and confirmed by the responsible center, as well as the proposed labcode and expansion, which are only my assumptions.

AD-A-	1USADOD	origin: 1 entry in CINDA coded as AD-A009563, with lab=4CCPLEB, comment indicates translation from book LEB; INIS-6: "Defense Documentation Center, Alexandria, VA, USA, (assigned to unclassified documents …)".
AE-RFT-	2SWDAE	(all entries have lab=2SWDAE, probably expansion as AE-)
AERE-NP/PR-		2 entries, both with lab 2UK ALD; code not found anywhere; could be miss-spelt, or confused with AERE- PR/NP- or AERE-NP/R-: to be checked.
ANL-AJD-	1USAANL	probably same as ANL-
FOA4-D-	2SWDFOA	probably same as FOA4-A- and FOA4-C-
GA-B-	?1USAGA	suggests same as GA- (GA-A- and GA-C- found in INIS-6, but not GA-B-), but lab in CINDA entry is 1CANCRC???
MON-C-	1USAUSA	probably expansion as MON-N-;
UNC-PH/M-	1USAUNC	found (libraries, INIS-6) only code UNC-, probably same.

5) Proposed or possible corrections for EXFOR Dictionary 6

AFWL-TDR-	does not occur in CINDA nor in EXFOR, but several entries in both with code AFWL-TR-; neither code could be confirmed; to be checked by NNDC (see EXFOR# 10022 and 12069).
AWRE-CNR/PR	change to AWRE-CNR/PR- (add dash at end of code);
CEA-, CEA-N-, CEA-R-: according to INIS-6, published by different CEA labs (as item (3) above: CEA-CONF-) => propose to change lab to 2FR FR (or introduce code for CEA).	
IPNO-TH	change to IPNO-TH- (add dash at end of code);
NIIAR-P1-	needs clarification (see also item (6) below): entry EXFOR40469 contains NIIAR-P1-335, the corresponding CINDA entry contains

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NIIAR-P-335 (possibly because of limited space); INIS sources contain only NIIAR-P-; <u>conclusion</u>: NIIAR may have part -P1,-P2, etc. similar to JINR-, which may have been partially omitted; has to be <u>checked and clarified by CJD</u>.

6) Obvious coding errors in CINDA

Several more such errors I could correct easily without checking the original reference.

EANDC(U)76U175	CINDA entry for Mo-97 RES, lab=2FR SAC: check and correct;
INDC(EUR)14374	this number does not exist (several entries);
NEANDC(E)-GE/R	CINDA entry for U-238 TOT 2ZZZGEL: check and correct;
NIIAR-	several ways of coding that are inconsistent and partially do not conform with coding rules; some have to be corrected: NIIAR-P-335 NIIAR-P22(356) NIIAR-1(360) NIIAR-2(361) NIIAR-P-5, NIIAR-52

The different ways of coding NIIAR- reports support my proposal to include in the EXFOR dictionary, in some doubtful cases, the codes printed on the report cover.

7) Coding errors in CINDA requiring simple corrections

The following coding errors can easily be identified and corrected by a small computer program. In particular could corrections be implemented during conversion to CINDA 2001, also because for some of the errors, the correct coding would exceed the field length foreseen in the old system, and hence cannot be corrected there. In most cases listed below, "no" stands for report number and "yy" for year.

wrong coding	*correct coding*	*comment*
AAEC/AP-PR1986 AAECAP-PR-1986	AAEC/AP/PR-1986	correct coding exceeds field length; total of 7 entries
AERE-PR/NPno	AERE-PR/NP-no	675 wrong entries (only 1 correct)
AWRE-CNRPR/10	AWRE-CNR/PR-10	correct coding exceeds field length; 58 wrong entries
CEC(yy)-no	CEC-(yy)-no	266 wrong entries; code on report: CEC(yy)no
EANDC(E)no	EANDC(E)-no	over 1500 wrong entries
EANDC(J)22	EANDC(J)-22	5 wrong entries
EANDC(OR)no	EANDC(OR)-no	85 wrong entries
EANDC(UK)151 EANDC(UK) 151	EANDC(UK)-151	3 wrong entries 73 wrong entries
FOA4-Ano	FOA4-A-no	total of 22 wrong entries

FOA4-Cno	FOA4-C-no	code on report (example): FOA 4 Rapport
FOA4-Dno	FOA4-D-no	(printed on 2 lines) A 4410-411
HEDL-TMEyy-no	HEDL-TME-yy-no	5 entries; on report: HEDL-TME yy-no
INDC(EUR)no	INDC(EUR)-no	264 wrong entries
JAERI- no	JAERI-no	total of 357 wrong entries
JAERI-C- no	JAERI-C-no	
JAERI-D- no	JAERI-D-no	
JAERI-M- no	JAERI-M-no	
JAERI-R- no	JAERI-R-no	
JUELSPEZ-no	JUEL-SPEZ-no	5 wrong entries
NAA-SR-TDRno	NAA-SR-TDR-no	24 wrong entries
NEANDC(E)no	NEANDC(E)-no	18 wrong entries
NEANDC(J)no	NEANDC(J)-no	24 wrong entries
NEANDC-J-no	NEANDC(J)-no	total of 69 wrong entries
NEANDC-Jno		
NEANDC(UK) no	NEANDC(UK)-no	4 wrong entries
PNR/SETRyy-no	PNR/SETR-yy-no	24 wrong entries; code on report: see (3);
UKNDC(75)P71	UKNDC-(75)P71	or UKNDC-(75)-P71, or? code on report: UKNDC (75) P71