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International Atomic Energy Agency
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Memo CP-D/463

Date: 11 May 2006
To: Distribution
From: O. Schwerer
Subject: **Checking and corrections of some report codes and old EXFOR entries**
Reference: Actions A6, A7, A16, A17 of last NRDC meeting

1. Report codes (Dictionary 6) - Actions A6, A7

Some report codes occurring in the files but not in the dictionary need to be confirmed by the responsible neutron data centres so that necessary corrections in the EXFOR/CINDA report dictionary 6 can be introduced. Actions A6 and A7 were reminders to memo CP-D/347 = WP 2003-8 because several of these questions are still open.

On the following pages I reproduce WP 2003-8 (with the parts relevant for this exercise in bigger font) with comments about the required actions added. (Sections 1 through 3 of WP 2003-8 are not affected by this exercise and are reproduced in small font.) This is to assist NNDC, NEA-DB and CJD to fulfill these two actions from the NRDC meeting. Simple corrections of the report coding in CINDA (Section 7 of WP 2003-8) will be done centrally by NDS.

2. Some pending EXFOR retransmissions - Actions A16, A17

Action A16 was a reminder to retransmit some EXFOR entries mentioned on a list distributed by V. McLane at the 2001 NRDC meeting, and Action A17 was on NDS to redistribute this list. However, after checking all electronic and paper files, we found that we have only the list of retransmissions requested from NDS. It is likely that a general list containing the retransmission requests from all centres was never distributed, but only individual lists in a single paper copy to each responsible centre (as had been done at earlier meetings). Therefore we can only ask all centres to check whether their individual list still exists and to make all pending corrections requested therein.

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

!! Note to NNDC and NEA-DB: This section is on reports from areas 1 and 2. Please confirm the codes and/or their origin, for addition to 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

!! See remarks below

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).

!! Propose to add AFWL-TR- instead, unless NNDC says otherwise

AWRE-CNR/PR change to AWRE-CNR/PR- (add dash at end of code);

!!Done

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).

!! Propose to change lab to 2FR FR unless NEA-DB says otherwise

IPNO-TH change to IPNO-TH- (add dash at end of code);

!!Done

NIIAR-P1- needs clarification (see also item (6) below): entry EXFOR40469 contains NIIAR-P1-335, the corresponding CINDA entry contains NIIAR-P-335 (possibly because of limited space); INIS sources contain only NIIAR-P-;

conclusion: NIIAR may have part -P1,-P2, etc. similar to JINR-, which may have been partially omitted; has to be checked and clarified by CJD.

!! CJD is asked to check what NIIAR- reports are needed in dictionary 6. At present, we have NIIAR- and NIIAR-P1- but not NIIAR-P-. Remember that for the dictionary, the first hyphen followed by a digit or an opening parenthesis, is the separator between the "code field" and the "number field" and therefore determines which codes must be entered in the dictionary.

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;

!!Done

INDC(EUR)14374 this number does not exist (several entries);

!!Was changed to INDC(EUR)-14374 but this is still nonexistent number. NEA-DB to check and correct (Lab = 2ZZZGEL, REACTION = Cr-53(n,g))

NEANDC(E)-GE/R CINDA entry for U-238 TOT 2ZZZGEL: check and correct;

!! NEA-DB to 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.

!! See item 5 above (CJD to check NIIAR report subseries)

7) Coding errors in CINDA requiring simple corrections

!! The corrections listed in the following table will be done centrally at NDS.

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.

<i>wrong coding</i>	<i>correct coding</i>	<i>comment</i>
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AAEC/AP-PR1986	AAEC/AP/PR-1986	correct coding exceeds field length;
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AAECAP-PR-1986		total of 7 entries
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!! AAEC/APPR-1986 (3AULAUA) occurs in several (N,F) entries. To be corrected

AERE-PR/NPno AERE-PR/NP-no 675 wrong entries (only 1 correct)

!! To be corrected (2UK HAR)

AWRE-CNRPR/10 AWRE-CNR/PR-10 correct coding exceeds field length; 58 wrong entries

!! To be corrected (2UK ALD). Code length is no problem now

CEC(yy)-no CEC-(yy)-no 266 wrong entries; code on report: CEC(yy)no

!! To be corrected (2ITYBOL)

EANDC(E)no EANDC(E)-no over 1500 wrong entries

!! Seems okay now; but in some cases no separator before page number

EANDC(J)22 EANDC(J)-22 5 wrong entries

!! Seems okay now

EANDC(OR)no EANDC(OR)-no 85 wrong entries

!! Seems okay now; but in some cases no separator before page number

EANDC(UK)151 EANDC(UK)-151 3 wrong entries

!! Seems okay now

EANDC(UK) 151 73 wrong entries

!! Seems okay now

FOA4-Ano FOA4-A-no total of 22 wrong entries

!! To be corrected (2SWDFOA)

FOA4-Cno FOA4-C-no code on report (example): FOA 4 Rapport

!! To be corrected (2SWDFOA)

FOA4-Dno FOA4-D-no (printed on 2 lines) A 4410-411!!

To be corrected (2SWDFOA). FOA-4-D- to be added to dict.6

HEDL-TMEyy-no HEDL-TME-yy-no 5 entries; on report: HEDL-TME yy-no

To be corrected (1USAHED)

INDC(EUR)no INDC(EUR)-no 264 wrong entries

!! Seems okay now

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

!! All JAERI- entries seem okay now

JUELSPEZ-no JUEL-SPEZ-no 5 wrong entries

To be corrected (2GERJUL and 2FR ILL); 2 wrong entries remaining

NAA-SR-TDRno NAA-SR-TDR-no 24 wrong entries

!! Seems okay now

NEANDC(E)no NEANDC(E)-no 18 wrong entries

!! Seems okay now

NEANDC(J)no NEANDC(J)-no 24 wrong entries

!! Seems okay now

NEANDC-J-no NEANDC(J)-no total of 69 wrong entries

NEANDC-Jno

!! Both to be corrected

NEANDC(UK) no NEANDC(UK)-no 4 wrong entries

!! Seems okay now

PNR/SETRyy-no PNR/SETR-yy-no 24 wrong entries; code on report: see (3);

!! To be corrected (2FR CAD). Code length is no problem now

UKNDC(75)P71 UKNDC-(75)P71 or UKNDC-(75)-P71, or? code on report:
UKNDC (75) P71

!! To be corrected to UKNDC-(75)-P71