

MEMORANDUM 4C-2/31

From: Hans Potters 

Subject: Dictionaries (see memo 4C-2/26, Point 17 c).
Miscellaneous.

5th September 1972

The following simplifications can be made to the dictionaries as to the needs of the CCDN users community. It should be understood that if there is a real need for somebody to put things in which CCDN feels to be useless we will adapt, provided good arguments are given. We discussed the matter with Hans Lemmel when he was at CCDN and there was a general consensus about the proposal, except for a few details given below :

1. Keyword classification (compulsory or not)
 - (a) METHOD should not be compulsory (4C-2/26, point 17 a).
 - (b) FACILITY and N-SOURCE should be left out if they duplicate information (4C-2/26, point 17 b). ('Reactor' can be put under either of these keywords).
 - (c) PART-DET is still sub judice at NNCSC.
 - (d) Hans Lemmel would like to have DETECTOR made compulsory. CCDN has hesitations in this respect: we have quite a lot of older cleaned-up data which have then to be revised before sending them off in EXFOR. At least this upgrading of DETECTOR should not be valid for data coded before, say, (721101C) even if they are sent off much later.

2. Coded information

All coded information is duplicate information and is a source of errors, requiring checking and therefore time consuming.

The following codes can be made obsolete :

- (a) Dictionary 15 (STANDARD)
 - SPONT See 4C-2/30, point 5, second paragraph.
 - NONE Free text without code is accepted.

- (b) Dictionary 16 (STATUS)
 PUBL)
 PRIV) Source should be given in free text.
 OUTDT Should be SPSDD.
 RNORM Never used; free text is enough if it occurs.
- (c) Dictionaries 18-22
 Can be dropped in their entirety; free text is enough.
- (d) Dictionary 23 (ANALYSIS)
 Can be dropped.
 Hans Lemmel would like to keep the codes concerning resonance parameter analysis, i.e. AREA, SHAPE, SLA, MLA. CCDN does not object.
- (e) RESID-NUC
 Allow for free text only (4C-2/26, point 23).
- (f) Dictionary 8
 Can be dropped as it has no function. Ambiguous cases (e.g. I or J for IODIDE) can either be defined in LEXFOR or left free.
- (g) Dictionary 9
 If we allow Z-S-CMP for all elements, these entries can be dropped except I-H-CMP, which has a special meaning.

Miscellaneous

- (a) We have received tape 4004: it was not acknowledged in the usual way as an error in the identification part upset the administration and statistics programme. I will settle the question as soon as I return from holiday.
- (b) EXFOR tapes 2008 and 2009 containing Tellier's total cross-section data and resonance parameters will go out at the end of this week. A few new report codes are on an attached sheet.
- (c) EXFOR tape 2010 (the rest of the high-Z Geel data) contains quite a lot of new quantities (see attached sheet). It will be sent off as soon as possible after the Four Centre meeting.

Distribution

R. Dannels (5)
 V. Popov (5)
 J. Schmidt (5)
 CCDN

APPENDIXADDITIONS TO DICTIONARIESDictionary 5 (Reports)

CEA-N- Centre d'Etudes Nucléaires, Saclay (Note).
Internal report with limited distribution. 2FR SAC

INDC(FR)- French report to the International Nuclear
Data Committee. 3ZZZIAE

Dictionary 11 (Function parameters)

SPC Gamma-ray intensities (Memo 4C-2/30,
page 5, 30160 002-004).

AKE Average kinetic energy (Memo 4C-3/57,
page 4, 4.0011).

Dictionary 12

RSD Ratio over value at 40° (Memo 4C-4/16).

Dictionary 14 (Codes needed in TRANS 2010)

<u>Code</u>	<u>Reference</u>	<u>Description</u>
(NF,RES,TER)	EANDC(E)-123AL	Ternary fission at resonance.
(NF,ARE)	EANDC(E)-129AL	Fission area.
(NG,SPC)	NP/A, 134,535	Capture gamma spectra.
(NF,SPC,G)	" (Even leave out the G as it is implied in SPC).	Fission gamma spectra.
(NF,DA,PAR/ RSP,N)	ZP,244,358	Partial angular distribution of fission neutrons relative to the value at 90°.
(NF,AKE/DA,,N)	"	Angular distribution of average kinetic energy of fission neutrons.
(SCT/ARE,RES)	68WASH,1,513	Scattering area of resonance.
(EL/ARE)	" (Standard)	Elastic scattering area.

P.S. I succeeded in getting 4004 into the file administration, so
the updated EXFOR statistics are on the way.

DIA/324-0

NOTE FROM CENTRAL REGISTRY

ATTACHED ENCLOSURE WAS RECEIVED WITHOUT COVERING NOTE.

12/9/72

INFO ONLY

FROM: OECD, ENEA

~~Schmidt~~
Dumontet
Cunel
AH see
NDS
Colanand
} + cc
memo

ADDRESSED TO: Schmidt

DESPATCHED ON: 7/9/72

SUBJECT: 4 Centre memo