Brookhaven Nat. Lab. - USA

MEMO CP-C/62

Date: August 28, 1979
From: V. McLane *vm*
Subject: Dictionary 2
Reference: Memos CP-C/20, CP-C/52

Enclosed are the updated manual pages for Dictionary 2 and a listing of the proposed new first record for each of the Information-Identifier Keywords in Dictionary 2.

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Enclosures (3)

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Additional information on specific dictionaries

Dictionary 2.   Information - Identifier Keywords

The first record for the keyword given in columns 1-11 has the following format:

Columns 12-33: Expansion
          34-44: Code designating whether keyword is required
                  REQ - required
                  XREQ - required except where not relevant
                  AREQ - one of these codes required
                  BREQ - each of these keywords is obligatory if
                         relevant, but at least one of them must
                         be present
          45-55: Code defining coded information
                  RCODE - code required
                  OCODE - optional
          56-66: Pointer to Dictionary used, '+' indicating addi-
                  tional coded information

Following records contain free text information in columns 12-66.

Dictionary 3.   Institute

The 7 character code ABBBCCC is constructed as follows:
          A = service-area code, 1, 2, 3 or 4 as defined among
              neutron data centers
          BBB = Country code
          CCC = lab code (may be less than 3 characters, left adjusted)

The 3 character lab codes include all laboratory, university, insti-
tute, agency and commission codes in use by the data centers, and must be
unique

In those cases where the code identifies only a country, the infor-
mation in the country-code field (columns 2-4) is duplicated in the lab
code field (columns 5-7), as for example:

          ICANCAN   (CANADA)

For this reason it is forbidden to introduce a lab-code which is identical
to an existing country code and vice-versa.

Obsolete codes remain in the dictionary because of their previous use
for old data and CINDA entries. These obsolete codes are marked as such
and an indication as to which code to use instead should be given in all
cases.

The dictionary is sorted by the code, thus grouping together the in-
stitutes for each area and country.

NOTE: The 3 character lab code is used by CINDA.

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Dictionary 4. Type of reference

This Dictionary has normal format except that columns 56-66 of the explanation field contain a reference to the dictionary or dictionaries in which the reference codes to be used with the given reference-type may be found. Columns 56-61 are blank when no dictionary applies.

Dictionary 5. Journals

The actual journal code is restricted to 4 characters or less. Where journals are subdivided into parts, the part is included in the dictionary with the journal code, separated from it by a slash, as for example:

ND/A = Nuclear Data, Part A.

The dictionary is sorted by code.

The area code and country code (country of publication) are in columns 63 to 66.

The "expanded form" follows ACCESS "A Key to the Source Literature of the Chemical Sciences, Edition 1969", a publication of the Chemical Abstracts Service of the American Chemical Society. The "expanded form", as it appears in that publication, has been abbreviated according to the "American Standard for Periodical Title Abbreviations: Z39.5 (1963)" and represents the commonly accepted abbreviation, used in the scientific literature. This practice should, in general, be maintained.

NOTE: The journal codes are used by CINDA.

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DICTION                      2
TITLE        (TITLE)               XREQ
AUTHOR       (AUTHOR)              REQ      RCODE
INSTITUTE    (INSTITUTE)           REQ      RCODE      DICT 3
EXP-YEAR     (EXPERIMENT YEAR)              RCODE
REFERENCE    (REFERENCE)           REQ      RCODE      DICT 4+
REL-REF      (RELATED REFERENCE)            RCODE      DICT 17+4+
MONIT-REF    (STANDARD REFERENCE)           RCODE      DICT 4+
ISO-QUANT    (QUANTITY GIVEN)      AREQ     RCODE      DICT 14+
CMPD-QUANT   (QUANTITY GIVEN)      AREQ     RCODE      DICT 14+
NUC-QUANT    (QUANTITY GIVEN)      AREQ     RCODE      DICT 14+
REACTION     (QUANTITY MEASURED)   AREQ     RCODE      DICT 36+
STANDARD     (STANDARD)                     RCODE      DICT 14+
MONITOR      (STANDARD)                     RCODE      DICT 36+
ASSUMED      (ASSUMED VALUES)               RCODE      DICT 24+36+
METHOD       (METHOD)              BREQ     OCODE+     DICT 21
FACILITY     (FACILITY)            BREQ     OCODE+     DICT 18+3
DETECTOR     (DETECTOR)            BREQ     OCODE+     DICT 22
ANALYSIS     (ANALYSIS)            BREQ     OCODE+     DICT 23
N-SOURCE     (INC.PART.SOURCE)              OCODE+     DICT 19
INC-SPECT    (INCIDENT SPECTRUM)
SAMPLE       (SAMPLE)
GEOMETRY     (GEOMETRY)            OBS
RESID-NUC    (PRODUCT NUCLEUS)              OCODE+     DICT 27
PART-DET     (PARTICLE DETECTED)            OCODE+     DICT 13
RAD-DET      (RADIATION DETECTED)           RCODE      DICT 13+
DECAY-DATA   (DECAY DATA)                   RCODE      DICT 27+13+
DECAY-MON    (STANDARD DECAY DATA)          RCODE      DICT 27+13+
EN-SEC       (SECONDARY ENERGY)             OCODE      DICT 24+
HALF-LIFE    (HALF-LIFE)                    OCODE      DICT 24+27
ADD-RES      (ADDITIONAL RESULTS)           OCODE      DICT 20
CORRECTION   (CORRECTIONS)
ERR-ANALYS   (ERROR ANALYSIS)      XREQ     OCODE      DICT 24
COMMENT      (COMMENT)
MISC-COL     (MISC. COLUMNS)                RCODE      DICT 24
FLAG         (FLAG)                         RCODE
TABLE-NR     (TABLE NUMBER)        OBS      OCODE
STATUS       (STATUS)                       OCODE      DICT 16+
HISTORY      (HISTORY)             REQ      RCODE      DICT 15+
ENDDICTION
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