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**MEMO CP-N/96 rev.**

**DATE:** 7 June 2011  
**TO:** See distribution list below  
**FROM:** E. Dupont, S. Dunaeva, S. Babykina, N. Otsuka  
**SUBJECT:** Dictionary 17 (Related Reference Codes) – New code “O”

In some articles authors include new experimental data together with data already published and compiled before. There are no strict rules in EXFOR for coding related references already compiled in other entries. At present, heterogeneous coding options are used by compilers:

**1. STATUS.** The DEP and COREL codes from the STATUS keyword are used to link dependent (DEP) and interdependent (COREL) data compiled in different entries or subentries. Additional information should be added in free text for clarification.

Example based on subentry 22789005:

```
STATUS      (COREL,22979002) F.Gunsing+,C,2006VANCOU,,(B072),2006.  
              Energy range 12 - 1800 eV
```

**2. ADD-RES** (example based on entry 30763)

```
ADD-RES      Compiler's comment:  
              Isomeric ratios produced by Bremsstrahlung in the same  
              samples and published in the same paper are compiled  
              in EXFOR G0004
```

The main drawback of the use of the above two keywords (STATUS and ADD-RES) is that they do not allow computer coding of the article's reference. Addition of bibliographic information in free text is possible but, by definition of the free text format, this information cannot be standardised.

**3. REFERENCE.** This keyword allows coding of bibliographic information directly relevant to the compiled data (see CP-D/686 for the last update). Additional information should be added in free text for clarification.

Example based on entry O1456:

```
REFERENCE    (J,NP/A,779,21,2006)  
              (J,PR/C,61,034609,2000) It is O1000  
              The experimental data of the O-18+C-12 elastic  
              scattering and their optical model analysis  
              (J,PR/C,60,064608,1999) It is O0999  
              See above but for O-16+O-16
```

The REFERENCE keyword does not allow computer coding of entry numbers. Addition of these numbers in free text is possible but, by definition of the free text format, this information cannot be standardised.

4. **REL-REF** with code “N”, which means that no other codes apply (explanation in free text is mandatory) or using a **new code “O”** (present proposal):

**O** (Reference to related data compiled in another entry) 30000017-

As already emphasised in memo CP-D/686, addition of free text information is essential for clarification and [contents of the reference should be indicated in free text as shown in the example below.](#)

Example based on entry O1456:

REFERENCE (J,NP/A,779,21,2006)

**REL-REF** (O,O1000001,M.P.Nicoli+,J,PR/C,61,034609,2000) The exp. data of the O-18+C-12 elastic scattering are given in the EXFOR Entry O1000

(O,O0999001,M.P.Nicoli+,J,PR/C,60,064608,1999) The exp. data of the O-16+O-16 elastic scattering are given in the EXFOR Entry O0999

The use of [REL-REF with this new code “O”](#) would allow the compiler to code in a (computer retrievable) standardised way both the article’s reference and the entry number in order to provide complete information to compilers and users. A longer-term objective of this proposal is also to contribute to the homogenisation of related-reference coding in EXFOR.

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