

MEMO 4-C 2/97

*DAT/324-0*

TO : See Distribution  
 FROM : Peter D. Johnston, A. Schofield, G. Danet.  
 SUBJECT : CINDA COVERAGE CONTROL

*P. J*

A file of information on literature coverage has been created at CCDN on the basis of coverage information already available in the form of new and old format 'zz' cards and the CINDA file. This memo gives details of formats and specifications for new information to be entered into this file, and supersedes Memo 4-C 2/75.

Entries with the reader code '?' have been made for all publication units for which one or more entries existed in the CINDA file on October 15th 1977. For journals this involves the assumption that the whole volume has been scanned if one or more Cinda entries were made; this may not always be justified so these entries should be treated with caution. The file created in this way does however show major gaps in the coverage.

A listing of the complete file has been dispatched under separate cover. Retrievals can be made from the file by reference or Reader Code specification.

The file will be updated with cards or magnetic tape records. Would you note that COV entries should be made for all publication units coded for CINDA after 15th October 1977, in addition to those for which no relevant information is found.

*28/11*

**INFORMATION COPY**

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## II.12.1

### CINDA COVERAGE CONTROL

The CINDA coverage file consists of an ordered list of references and reference ranges with the five categories of information : COV, GAP, ZERO, YES and SAME; defined below.

The ordering is primarily by the reference identification showing a continuous incrementation i.e. report number or journal volume. This allows a range of consecutive publication units in the same coverage category to be reduced in the file to only a lower and upper limit to each continuous range.

A publication unit consists of

1. A report i.e. KFK-1632 August 73
2. A conference proceedings volume 75KIEV 1 1975
3. A journal volume i.e. NP/A 279 February 77.  
The issue no. can be entered as supplementary information.

#### CODE Specifications

- COV A specified publication unit has been covered and any relevant articles have been coded in CINDA.
- GAP A publication unit, or article, is known to have been missed in the coverage.
- ZERO The publication unit does not contain information relevant to CINDA. This category should not be used for journals, but may be used for reports and conferences if the coder believes the explicit indication of no relevance to Cinda is useful and necessary.
- YES A specific article in a publication unit has been coded in CINDA, but the complete publication unit has not been covered. The complete reference as for CINDA should be given.
- SAME A SAME-entry refers to a publication unit that carries a double or multiple reference and can be quoted under any of them. Multiple - n - references require the preparation of (n-1) ZZ - SAME entries.

Coverage File input Format

Cards or Tape (9 Track)

Format:-

|                 |   |
|-----------------|---|
| Column 1,2      | ZZ  |
| Column 6 - 9    | COV, GAP, ZERO, YES, SAME<br>(left adjusted)  |
| Column 15       | Reader Code   |
| Column 27       | Reference Type<br>(see CINDA II.10)   |
| Columns 28 - 41 | Reference, or lower limit of<br>reference range.<br>As for CINDA II.11<br>no page should be entered<br>for journals in the COV<br>category. |
| Columns 42 - 44 | Reference date, or date of the<br>lower limit of the reference range.   |
| Columns 46 - 59 | The Upper limit of Reference range,<br>or the equivalent reference for a<br>SAME entry.   |
| Columns 60 - 62 | Date of the Upper limit of the<br>reference range.  |
| Columns 64 - 80 | Optional Comment.   |

An entry or range of entries can be deleted from the file for a specified reference key and coverage category. The entry is made as in the file, with the reference or reference range specified with dates, but with the word DELETE in columns 70 - 75.

On input entries will be checked against the usual CINDA reference dictionary and for logical inconsistency with existing entries in the coverage file.

## II.12.3

### Program Logic

The update program for Batch operation consists of three principal operations:-

1. Checking new references against the CINDA reference dictionary. Unrecognised references are rejected.
2. Sort and Merge of the Update file with the existing coverage file, including a hierarchy of logical relationships to resolve conflicts between new and old entries. These relationships are summarised below:-

|      |   |
|------|---|
| COV  | supersedes ZERO, YES and GAP  |
| ZERO | supersedes GAP  |
| YES  | is included within a GAP range, or<br>supersedes a 'prompt' GAP (for a<br>specified article within a publication unit). |

3. Checking of the merged coverage file for logical inconsistencies. If none are found the new file is rewritten to disk.