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## 12 - CINDA FILE TRANSMISSIONS

CINDA entries in READER and EXCHANGE format are exchanged between the neutron data centres either on magnetic media or by electronic mail (for a list of acceptable media, see WP5 in the summary report of the meeting of the Co-ordination of the Nuclear Reaction Data Centers - INDC(NDS)-360).

For both types of transmission, the first record must be the 'Header record' for the batch identification. The format of the Header record should look like this:

```
CINDA READER  a cccbbb yymmdd  xxx
CINDA EXCHANGE cccbbb yymmdd  xxx
```

where:

a	area code of the receiving centre	
ccc	batch identifier of the originating centre :	ccc = BNL for NNDC ccc = CJD for CJD ccc = NEA for NEADB ccc = WIE for NDS
bbb	assigned batch number in ascending sequence	
yymmdd	date of transmission or creation of file	
xxx	the number of records contained in this transmission	

The convention should be to keep the same batch number for READER and EXCHANGE format transmissions. If there are no records to transmit, then the transmission should consist of only a header record with xxx = 0.

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## CINDA EXCHANGE FORMAT SPECIFICATIONS

Records will be 100 characters in length

### 1. Record Format - all records must contain legal entries.

1	Operation code	x(1)
2-7	Record serial number	9(6)
8-12	Target nucleus	x(5)
13-15	Quantity code	x(3)
16-18	Laboratory code	x(3)
19-21	Block number	9(3)
22	Work type	x(1)
23-27	E-min	x(5)
28-32	E-max	x(5)
33	Hierarchy	9(1)
34	Reference type	x(1)
35-48	Reference	x(14)
49-52	Publication date	9(4)
53	Author flag	x(1)
54-89	Comments	x(36)
90	Reader code	x(1)
91	Area code	9(1)
92-94	Country code	x(3)
95-100	Date of last change	9(6)



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Hierarchy : 1 digit

Only the numerical equivalent of the hierarchy code will be used.

Reference type : 1 character

As defined in the CINDA manual

Reference : 14 characters

As defined in the CINDA m:.nn:~1

Publication data : 4 digits

YYHH in format

Author flag : 1 character

"Blank" if comment field does not contain an author delimiter

"X" if comment field does contain an author delimiter

Comments : 36 characters

As defined in the CINDA manual

Reader code : 1 character

As defined in the CINDA manual

Area code : 1 digit

As defined in EXFOR

Country code : 3 characters

As defined in EXFOR

Date of last change : 6 digits

Date of last change or entry if a new entry in the form YYHHDD.1