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**Memo CP-D/500**

**Date:** 17 March 2008  
**To:** Distribution  
**From:** N. Otsuka, S.Dunaeva  
**Subject:** Addition to Dictionary 15 (History codes)

In neutron data compilation (e.g. area 1 to 4), there are about 420 entries in which all data points in DATA sections were eliminated and replaced by NODATA record (See Example 1). Unfortunately we cannot see reason in HISTORY record. But this probably occurred when NDS copied a whole set of EXFOR files from the NNDC VMS machine to the NDS VMS machine.

All these cases must be investigated, and missing data points must be restored if we have no reason to eliminate these data points. For bookkeeping, we propose the following history code / status code. A coding sample with these codes is shown in Example 2.

**Dictionary 15 (History codes)**

S Restored from archive

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### Example 1

SUBENT	40531117	20020822		4053111700001
BIB	1	1		4053111700002
REACTION	(24-CR-50(N,INL)24-CR-50,PAR,SIG)			4053111700003
ENDBIB	1			4053111700004
NOCOMMON	0	0		4053111700005
NODATA	0	0	ALL POINTS ELIMINATED FROM SET	4053111700006
ENDSUBENT	5			4053111799999

### Example 2

SUBENT	40531117	20080301		4053111700001
BIB	2	2		4053111700002
REACTION	(24-CR-50(N,INL)24-CR-50,PAR,SIG)			4053111700003
HISTORY	(20080301S) Data restored by the NDS archive			4053111700004
ENDBIB	1	0		4053111700005
NOCOMMON	0	0		4053111700006
DATA	4	5		4053111700007
E-LVL	EN	DATA	ERR-T	4053111700008
KEV	MEV	MB	MB	4053111700009
783.	3.0	694.	35.	4053111700010
783.	2.5	858.	32.	4053111700011
783.	2.0	745.	25.	4053111700012
783.	1.5	764.	86.	4053111700013
1888.	3.0	148.	14.	4053111700014
ENDDATA		7	0	4053111700015
ENDSUBENT		14	0	4053111700016

**Subentries all data points of which were eliminated**

**Area 1**

10051: 004 015 016 018 019 020 022 023 024 026 027 029 030 032

**Area 2**

20055: 002 005

20088: 002 003

20113: 003 005

20119: 011

20152: 020

20375: 004 007

20390: 005

20392: 004

20394: 010

20454: 010

20456: 008

20520: 003 005

20725: 009

20788: 017 018 020 021

20797: 002 004 006

20861: 003 004 005 007 008 009 010

20912: 003

20971: 004 005

20976: 004

21290: 002 004 006 008

21434: 002

21435: 002

21436: 002

21439: 002 003 004 005

21441: 002 003 004 005 006 007 008

21442: 002

21443: 002 003 004 005 006 007 008 009 010

21447: 002

21450: 002

21453: 006

21767: 014

21841: 003

21987: 003

22000: 004 005 006 007

**Area 3**

30018: 002 003

30022: 002

30024: 002

30025: 002

30026: 002

30028: 002 003 004 005 006 007

30029: 002 003 006

30030: 002 003 004 005  
30033: 002 003 004 005 006 007 008 009 010 011 012 013 014 015  
016 017 018 019 020  
30034: 002 003  
30042: 002  
30045: 002 003 004  
30046: 002 003 004 005  
30049: 002 003  
30050: 002 003  
30053: 002  
30059: 002 003 004 005  
30062: 002 003 004  
30064: 002 003 004  
30066: 003 004 005 006 007  
30071: 002 003 004 005 006 007 008 009 010 011  
30074: 002 003 004 005 006 007  
30080: 002  
30082: 002 003 004 005 006 007  
30084: 002  
30089: 002  
30090: 002 003  
30092: 002 003 004 005 006 007 008 009 010  
30093: 002 003 004 005  
30094: 002 003 004 005 006 007  
30095: 002 003 004  
30096: 002  
30097: 002 003  
30100: 002 003 004 005 006  
30101: 004 019 020 021 022 023 024 025 027 029 031 032  
30124: 002  
30134: 002 003 004 005 006 007 008 009 010  
30138: 002  
30151: 002 003 004  
30155: 008  
30164: 002  
30166: 002  
30179: 002 003 004 009 010 011 014 015  
30180: 002  
30186: 002  
30187: 002  
30193: 004  
30206: 002  
30209: 002  
30212: 002 003 004 005  
30215: 002  
30216: 002  
30217: 002 004 005 006 007  
30219: 002  
30220: 002  
30221: 002 003 004 005 006

30226: 002 004 005 006 007 008 009 010 011 012 013 014 015 016 017  
30229: 002 003 004 005  
30230: 002 003 004 005 006 007 008  
30232: 002  
30233: 002 003 004 005 006 007 008 009 010 011  
30238: 002 003 004 005  
30241: 002  
30242: 002  
30243: 002  
30244: 002  
30245: 002 003 004  
30266: 002 003 004 005  
30269: 002 003  
30274: 002 003  
30287: 002 003 004 005 006 007 008 009 010 011 012 013  
30292: 003 004 005 007 008 009  
30297: 002 003 004  
31272: 002 004 006  
31276: 002

#### **Area 4**

40052: 002 004 005 006  
40056: 002  
40058: 002 003 004  
40068: 002 003  
40071: 002 003 004 005 008 009  
40077: 002 003 004 005  
40079: 002  
40080: 002 007 012  
40084: 002 003  
40085: 002 003  
40087: 002 006 007 008  
40090: 012 013  
40094: 003 005 006  
40096: 002 003 004 005 006  
40097: 002 003 004 005 006 007  
40099: 002 003 004 005  
40129: 007  
40162: 039 045 046 047 048 049 050  
40204: 002 003  
40237: 004  
40518: 013  
40531: 117 118 119