

NWRDC'S KOMAND HISTORY DATA RETRIEVAL AND REPORTING SYSTEM

EASYTRIEVE Copybooks

The following copybook members are provided for anyone who wants to use them and can be found in KOMAND.NWR.COPYLIB

The following JCL overrides for the EASYPLUS procedure are suggested:

```
//REPORT EXEC EASYPLUS,MACRO=PDS
//PDSDD DD
// DD DISP=SHR,DSN=KOMAND.NWR.COPYLIB
//INPUT DD DISP=(OLD,PASS),DSN=&KMDIN
//SYSIN DD *
FILE INPUT
%ECOPxxxx
.
.
.
```

KOMAND.NWR.COPYLIB(ECOPCICS)

| | | | |
|---|----|-------|--------------------------------|
| CICS-INST | 1 | 3 A | HEADING ('Inst' 'Code') |
| CICS-CUST-ID | 4 | 5 A | HEADING ('Cust' 'ID') |
| CICS-ACCOUNT-CODE | 9 | 4 A | HEADING ('Acct' 'Code') |
| CICS-GROUP-CODE | 13 | 4 A | HEADING ('Group' 'Code') |
| CICS-SUB-GROUP | 17 | 4 A | HEADING ('Sub' 'Group') |
| CICS-PROJECT | 21 | 4 A | HEADING ('Project') |
| CICS-LOGONID | 25 | 8 A | HEADING ('Logon' 'ID') |
| KMD-INST | 1 | 3 A | HEADING ('Inst' 'Code') |
| KMD-CUST-ID | 4 | 5 A | HEADING ('Cust' 'ID') |
| KMD-ACCOUNT-CODE | 9 | 4 A | HEADING ('Acct' 'Code') |
| KMD-GROUP-CODE | 13 | 4 A | HEADING ('Group' 'Code') |
| KMD-SUB-GROUP | 17 | 4 A | HEADING ('Sub' 'Group') |
| KMD-PROJECT | 21 | 4 A | HEADING ('Project') |
| KMD-LOGONID | 25 | 8 A | HEADING ('Logon' 'ID') |
| CICS-CHARGE-CODE | 41 | 4 A | HEADING ('Charge' 'Code') |
| * APPLID IS THE CICS REGION IDENTIFIER, ITS FORMAT IS "NWR1" FOLLOWED | | | |
| * BY THE REGION SYSID. | | | |
| CICS-APPLID-P1 | 45 | 4 A | HEADING ('Appl' 'ID' 'PART 1') |
| CICS-APPLID-P2 | 49 | 4 A | HEADING ('Appl' 'ID' 'PART 2') |
| CICS-APPLID-PROD | 54 | 1 A | HEADING ('Prod' 'Test') |
| CICS-APPLID | 45 | 8 A | HEADING ('Appl' 'ID') |
| CICS-END-DATE | 53 | 4 P 3 | HEADING ('End' 'J-Date') |
| CICS-END-TIME | 57 | 4 B | HEADING ('End' 'Time') |
| CICS-START-DATE | 73 | 4 P 3 | HEADING ('Start' 'J-Ddate') |
| CICS-START-TIME | 77 | 4 B | HEADING ('Start' 'Time') |
| KMD-END-DATE | 53 | 4 P 3 | HEADING ('End' 'J-Date') |
| KMD-END-TIME | 57 | 4 B | HEADING ('End' 'Time') |
| KMD-START-DATE | 73 | 4 P 3 | HEADING ('Start' 'J-Ddate') |
| KMD-START-TIME | 77 | 4 B | HEADING ('Start' 'Time') |

| | | | |
|--------------------|-----|-------|-------------------------------|
| CICS-DEBIT-CODE | 83 | 2 B | HEADING ('Debit' 'Code') |
| KMD-DEBIT-CODE | 83 | 2 B | HEADING ('Debit' 'Code') |
| CICS-RECORD-CODE | 85 | 2 A | HEADING ('record' 'Code') |
| CICS-TOTAL-COST | 97 | 8 P 5 | HEADING ('Total' 'Cost' '\$') |
| KMD-TOTAL-COST | 97 | 8 P 5 | HEADING ('Total' 'Cost' '\$') |
| CICS-TRANS-ID | 153 | 4 A | HEADING ('Trans' 'ID') |
| CICS-FCT-CNT | 325 | 8 P 5 | HEADING ('File' 'Count') |
| CICS-CPU-SECS | 351 | 8 P 5 | HEADING ('CPU' 'Seconds') |
| CICS-CPU-COST | 359 | 8 P 5 | HEADING ('CPU' 'Cost') |
| CICS-CHAR-IN-CNT | 377 | 8 P 5 | HEADING ('Char In' 'Count') |
| CICS-CHAR-OUT-CNT | 403 | 8 P 5 | HEADING ('Char Out' 'Count') |
| CICS-CHAR-IN-CNT2 | 429 | 8 P 5 | HEADING ('Char2 In' 'Count') |
| CICS-CHAR-OUT-CNT2 | 455 | 8 P 5 | HEADING ('Char2 Out' 'Count') |
| CICS-MESG-IN-CNT | 481 | 8 P 5 | HEADING ('Mesg In' 'Count') |
| CICS-MESG-OUT-CNT | 507 | 8 P 5 | HEADING ('Mesg Out' 'Count') |
| CICS-MESG-IN-CNT2 | 533 | 8 P 5 | HEADING ('Mesg2 In' 'Count') |
| CICS-MESG-OUT-CNT2 | 559 | 8 P 5 | HEADING ('Mesg2 Out' 'Count') |
| CICS-MEM-HWM | 585 | 8 P 5 | HEADING ('Memory HWM') |

KOMAND.NWR.COPYLIB(ECOPDB2)

| | | | |
|-----------------------|-----|-------|-------------------------------|
| DB2-INST | 1 | 3 A | HEADING ('Inst' 'Code') |
| DB2-CUST-ID | 4 | 5 A | HEADING ('Cust' 'ID') |
| DB2-ACCOUNT-CODE | 9 | 4 A | HEADING ('Acct' 'Code') |
| DB2-GROUP-CODE | 13 | 4 A | HEADING ('Group' 'Code') |
| DB2-SUB-GROUP | 17 | 4 A | HEADING ('Sub' 'Group') |
| DB2-PROJECT | 21 | 4 A | HEADING ('Project') |
| DB2-LOGONID | 25 | 8 A | HEADING ('Logon' 'ID') |
| KMD-INST | 1 | 3 A | HEADING ('Inst' 'Code') |
| KMD-CUST-ID | 4 | 5 A | HEADING ('Cust' 'ID') |
| KMD-ACCOUNT-CODE | 9 | 4 A | HEADING ('Acct' 'Code') |
| KMD-GROUP-CODE | 13 | 4 A | HEADING ('Group' 'Code') |
| KMD-SUB-GROUP | 17 | 4 A | HEADING ('Sub' 'Group') |
| KMD-PROJECT | 21 | 4 A | HEADING ('Project') |
| KMD-LOGONID | 25 | 8 A | HEADING ('Logon' 'ID') |
| DB2-CHARGE-CODE | 41 | 4 A | HEADING ('Charge' 'Code') |
| DB2-APPLICATION | 45 | 8 A | HEADING ('Application') |
| DB2-APPLICATION-P1 | 45 | 4 A | HEADING ('Application') |
| DB2-APPLICATION-P2 | 49 | 4 A | HEADING ('Application') |
| DB2-APPLICATION-PCICS | 45 | 5 A | HEADING ('Application') |
| DB2-END-DATE | 53 | 4 P 3 | HEADING ('End' 'J-Date') |
| DB2-END-TIME | 57 | 4 B | HEADING ('End' 'Time') |
| DB2-START-DATE | 73 | 4 P 3 | HEADING ('Start' 'J-Date') |
| DB2-START-TIME | 77 | 4 B | HEADING ('Start' 'Time') |
| KMD-END-DATE | 53 | 4 P 3 | HEADING ('End' 'J-Date') |
| KMD-END-TIME | 57 | 4 B | HEADING ('End' 'Time') |
| KMD-START-DATE | 73 | 4 P 3 | HEADING ('Start' 'J-Date') |
| KMD-START-TIME | 77 | 4 B | HEADING ('Start' 'Time') |
| DB2-DEBIT-CODE | 83 | 2 B | HEADING ('Debit' 'Code') |
| KMD-DEBIT-CODE | 83 | 2 B | HEADING ('Debit' 'Code') |
| DB2-RECORD-CODE | 85 | 2 A | HEADING ('Record' 'Code') |
| DB2-TOTAL-COST | 97 | 8 P 5 | HEADING ('Total' 'Cost' '\$') |
| KMD-TOTAL-COST | 97 | 8 P 5 | HEADING ('Total' 'Cost' '\$') |
| DB2-CORRELATION-ID | 145 | 12 A | HEADING ('Correlation' 'ID') |
| DB2-CORID-CICS-TRAN | 149 | 4 A | HEADING ('CICS' 'Trans') |

| | | | |
|----------------------|-----|-------|------------------------------|
| DB2-PLAN-NAME | 157 | 8 A | HEADING ('Plan' 'Name') |
| DB2-CTRL-UID | 165 | 8 A | HEADING ('Ctrl' 'User' 'ID') |
| DB2-SUB-SYS-ID | 165 | 4 A | HEADING ('Subsystem' 'ID') |
| DB2-SYSTEM-ID | 173 | 4 A | HEADING ('System' 'ID') |
| DB2-CTRL-APPLICATION | 177 | 8 A | HEADING ('Application') |
| DB2-CPU-SECS | 325 | 8 P 5 | HEADING ('CPU' 'Seconds') |

KOMAND.NWR.COPYLIB(ECOPDISK)

| | | | |
|-------------------|--------------|-------|---------------------------------|
| KMD-INST | 1 | 3 A | HEADING ('Inst' 'Code') |
| KMD-CUST-ID | 4 | 5 A | HEADING ('Cust' 'ID') |
| KMD-ACCOUNT-CODE | 9 | 4 A | HEADING ('Acct' 'Code') |
| KMD-GROUP-CODE | 13 | 4 A | HEADING ('Group' 'Code') |
| KMD-SUB-GROUP | 17 | 4 A | HEADING ('Sub' 'Group') |
| KMD-PROJECT | 21 | 4 A | HEADING ('Project') |
| KMD-LOGONID | 25 | 8 A | HEADING ('Logon' 'ID') |
| KMD-RECORD-CODE | 85 | 2 A | HEADING ('Record' 'Code') |
| DISK-TOTAL-COST | 97 | 8 P 5 | HEADING ('Total' 'Cost' '\$') |
| KMD-TOTAL-COST | 97 | 8 P 5 | HEADING ('Total' 'Cost' '\$') |
| DISK-A-C | 145 | 40 A | HEADING ('Application' 'Cntl') |
| DISK-INST | DISK-A-C | 3 A | HEADING ('Inst' 'Code') |
| DISK-CUST-ID | DISK-A-C +3 | 5 A | HEADING ('Cust' 'ID') |
| DISK-ACCOUNT-CODE | DISK-A-C +8 | 4 A | HEADING ('Acct' 'Code') |
| DISK-LOGONID | DISK-A-C +13 | 8 A | HEADING ('Logon' 'ID') |
| DISK-FIX-TYPE | DISK-A-C +21 | 5 A | HEADING ('Fix' 'Charge' 'Type') |
| DISK-DEBIT-CODE | DISK-A-C +26 | 4 A | HEADING ('Debit' 'Code') |
| KMD-DEBIT-CODE | DISK-A-C +26 | 4 A | HEADING ('Debit' 'Code') |
| DISK-R-U | 225 | 100 A | HEADING ('Reserved' 'User') |
| DISK-VOLSER | DISK-R-U | 6 A | HEADING ('Volume' 'Serial') |
| DISK-TYPE | DISK-R-U +7 | 7 A | HEADING ('Device' 'Type') |
| DISK-DEVICE | DISK-R-U +15 | 4 A | HEADING ('Device' 'Model') |
| DISK-DASD-ADDR | DISK-R-U +20 | 4 A | HEADING ('DASD' 'Address') |
| DISK-SMS | DISK-R-U +26 | 3 A | HEADING ('SMS' 'Controlled') |
| DISK-DENSITY | DISK-R-U +32 | 3 A | HEADING ('Density') |

KOMAND.NWR.COPYLIB(ECOPDSNS)

| | | | |
|-------------------|--------------|-------|---------------------------------|
| KMD-INST | 1 | 3 A | HEADING ('Inst' 'Code') |
| KMD-CUST-ID | 4 | 5 A | HEADING ('Cust' 'ID') |
| KMD-ACCOUNT-CODE | 9 | 4 A | HEADING ('Acct' 'Code') |
| KMD-GROUP-CODE | 13 | 4 A | HEADING ('Group' 'Code') |
| KMD-SUB-GROUP | 17 | 4 A | HEADING ('Sub' 'Group') |
| KMD-PROJECT | 21 | 4 A | HEADING ('Project') |
| KMD-LOGONID | 25 | 8 A | HEADING ('Logon' 'ID') |
| KMD-RECORD-CODE | 85 | 2 A | HEADING ('Record' 'Code') |
| DSNS-TOTAL-COST | 97 | 8 P 5 | HEADING ('Total' 'Cost' '\$') |
| KMD-TOTAL-COST | 97 | 8 P 5 | HEADING ('Total' 'Cost' '\$') |
| DSNS-A-C | 145 | 40 A | HEADING ('Application' 'Cntl') |
| DSNS-INST | DSNS-A-C | 3 A | HEADING ('Inst' 'Code') |
| DSNS-CUST-ID | DSNS-A-C +3 | 5 A | HEADING ('Cust' 'ID') |
| DSNS-ACCOUNT-CODE | DSNS-A-C +8 | 4 A | HEADING ('Acct' 'Code') |
| DSNS-LOGONID | DSNS-A-C +13 | 8 A | HEADING ('Logon' 'ID') |
| DSNS-FIX-TYPE | DSNS-A-C +21 | 5 A | HEADING ('Fix' 'Charge' 'Type') |
| DSNS-DEBIT-CODE | DSNS-A-C +26 | 4 A | HEADING ('Debit' 'Code') |
| KMD-DEBIT-CODE | DSNS-A-C +26 | 4 A | HEADING ('Debit' 'Code') |
| DSNS-R-U | 225 | 100 A | HEADING ('Reserved' 'User') |
| DSNS-DSN-PREFIX | DSNS-R-U | 8 A | HEADING ('DSN' '"Prefix"') |

| | | | | |
|---------------|--------------|----|---|--------------------------------|
| DSNS-VOLSER | DSNS-R-U +8 | 6 | A | HEADING ('Volume' 'Serial') |
| DSNS-DEVICE | DSNS-R-U +15 | 4 | A | HEADING ('Device' 'Model') |
| DSNS-STORCLAS | DSNS-R-U +21 | 8 | A | HEADING ('Storage' 'Class') |
| DSNS-MGMTCLAS | DSNS-R-U +29 | 8 | A | HEADING ('Management' 'Class') |
| DSNS-DSN | DSNS-R-U +38 | 44 | A | HEADING ('Data Set Name') |

KOMAND.NWR.COPYLIB(ECOPJOBS)

| | | | | |
|----------------------|-----|----|-----|-----------------------------------|
| JOBS-JUR-TIME | 3 | 4 | B | HEADING ('JUR' 'Birth' 'Time') |
| JOBS-JUR-DATE | 7 | 4 | P 3 | HEADING ('JUR' 'Birth' 'Date') |
| JOBS-JOB-NAME | 15 | 8 | A | HEADING ('Job' 'Name') |
| JOBS-RDR-TIME | 23 | 4 | B | HEADING ('Reader' 'Time') |
| JOBS-RDR-DATE | 27 | 4 | P 3 | HEADING ('Reader' 'Date') |
| JOBS-LOGONID | 31 | 8 | A | HEADING ('Logon' 'ID') |
| KMD-LOGONID | 31 | 8 | A | HEADING ('Logon' 'ID') |
| JOBS-REC-TYPE | 39 | 2 | B 0 | HEADING ('Record' 'Type') |
| JOBS-INST | 49 | 3 | A | HEADING ('Inst' 'Code') |
| JOBS-CUST-ID | 52 | 5 | A | HEADING ('Cust' 'ID') |
| JOBS-ACCOUNT-CODE | 57 | 4 | A | HEADING ('Acct' 'Code') |
| JOBS-GROUP-CODE | 61 | 4 | A | HEADING ('Group' 'Code') |
| JOBS-SUB-GROUP | 65 | 4 | A | HEADING ('Sub' 'Group') |
| JOBS-BILL-LOGONID | 73 | 8 | A | HEADING ('Billing' 'Logon' 'ID') |
| JOBS-START-TIME | 141 | 4 | B | HEADING ('Start' 'Time' 'BINARY') |
| JOBS-START-DATE | 145 | 4 | P 3 | HEADING ('Julian' 'Date') |
| JOBS-START-DATE-ND | 145 | 4 | P | HEADING ('Julian' 'Date') |
| JOBS-END-TIME | 149 | 4 | B | HEADING ('End' 'Time') |
| JOBS-END-DATE | 153 | 4 | P 3 | HEADING ('End' 'J-Date') |
| KMD-START-TIME | 141 | 4 | B | HEADING ('Start' 'Time' 'BINARY') |
| KMD-START-DATE | 145 | 4 | P 3 | HEADING ('Julian' 'Date') |
| KMD-START-DATE-ND | 145 | 4 | P | HEADING ('Julian' 'Date') |
| KMD-END-TIME | 149 | 4 | B | HEADING ('End' 'Time') |
| KMD-END-DATE | 153 | 4 | P 3 | HEADING ('End' 'J-Date') |
| JOBS-JOB-TYPE | 183 | 4 | A | HEADING ('Job' 'Type') |
| JOBS-DESC | 189 | 20 | A | HEADING ('*--- Description ---*') |
| JOBS-TERM-CODE | 209 | 1 | A | HEADING ('Term' 'Code') |
| JOBS-COMPLETION-CODE | 210 | 4 | A | HEADING ('Compl' 'Code') |
| JOBS-JOB-CLASS | 216 | 1 | A | HEADING ('Job' 'Class') |
| JOBS-COST-FACTOR | 245 | 2 | B 2 | HEADING ('Cost' 'Factor') |
| JOBS-JOB-NUMB | 261 | 8 | A | HEADING ('Job' 'Number') |
| JOBS-JOB-NUMB-N | 264 | 5 | A | HEADING ('Job' 'Number') |
| JOBS-RUN-TYPE | 261 | 3 | A | HEADING ('JOB' 'TYPE') |
| JOBS-BASE-COST | 297 | 4 | B 2 | HEADING ('Base' 'Cost') |
| JOBS-TOTAL-COST | 301 | 4 | B 2 | HEADING ('Total' 'Cost' '\$') |
| KMD-TOTAL-COST | 301 | 4 | B 2 | HEADING ('Total' 'Cost' '\$') |
| JOBS-TAPE-MOUNTS | 769 | 4 | B 0 | HEADING ('Tape' 'Mounts') |
| JOBS-CPU-HOURS | 797 | 4 | B 5 | HEADING ('CPU' 'Hours') |

KOMAND.NWR.COPYLIB(ECOPMISC)

| | | | | |
|------------------|----|---|---|---------------------------|
| KMD-INST | 1 | 3 | A | HEADING ('Inst' 'Code') |
| KMD-CUST-ID | 4 | 5 | A | HEADING ('Cust' 'ID') |
| KMD-ACCOUNT-CODE | 9 | 4 | A | HEADING ('Acct' 'Code') |
| KMD-GROUP-CODE | 13 | 4 | A | HEADING ('Group' 'Code') |
| KMD-SUB-GROUP | 17 | 4 | A | HEADING ('Sub' 'Group') |
| KMD-PROJECT | 21 | 4 | A | HEADING ('Project') |
| KMD-LOGONID | 25 | 8 | A | HEADING ('Logon' 'ID') |
| KMD-RECORD-CODE | 85 | 2 | A | HEADING ('Record' 'Code') |

| | | | |
|-------------------|--------------|-------|------------------------------------|
| MISC-TOTAL-COST | 97 | 8 P 5 | HEADING ('Total' 'Cost' '\$') |
| KMD-TOTAL-COST | 97 | 8 P 5 | HEADING ('Total' 'Cost' '\$') |
| MISC-A-C | 145 | 40 A | HEADING ('Application' 'Cntl') |
| MISC-INST | MISC-A-C | 3 A | HEADING ('Inst' 'Code') |
| MISC-CUST-ID | MISC-A-C +3 | 5 A | HEADING ('Cust' 'ID') |
| MISC-ACCOUNT-CODE | MISC-A-C +8 | 4 A | HEADING ('Acct' 'Code') |
| MISC-LOGONID | MISC-A-C +13 | 8 A | HEADING ('Logon' 'ID') |
| MISC-FIX-TYPE | MISC-A-C +21 | 5 A | HEADING ('Fix' 'Charge' 'Type') |
| MISC-DEBIT-CODE | MISC-A-C +26 | 4 A | HEADING ('Debit' 'Code') |
| KMD-DEBIT-CODE | MISC-A-C +26 | 4 A | HEADING ('Debit' 'Code') |
| MISC-R-U | 225 | 100 A | HEADING ('Reserved' 'User') |
| MISC-DESC | MISC-R-U | 100 A | HEADING ('Description') |
| MISC-DESC-95 | MISC-R-U | 95 A | HEADING ('Description') |
| MISC-DESC-90 | MISC-R-U | 90 A | HEADING ('Description') |

KOMAND.NWR.COPYLIB(ECOPMULT)

| | | | |
|-------------------|--------------|-------|---------------------------------|
| KMD-INST | 1 | 3 A | HEADING ('Inst' 'Code') |
| KMD-CUST-ID | 4 | 5 A | HEADING ('Cust' 'ID') |
| KMD-ACCOUNT-CODE | 9 | 4 A | HEADING ('Acct' 'Code') |
| KMD-GROUP-CODE | 13 | 4 A | HEADING ('Group' 'Code') |
| KMD-SUB-GROUP | 17 | 4 A | HEADING ('Sub' 'Group') |
| KMD-PROJECT | 21 | 4 A | HEADING ('Project') |
| KMD-LOGONID | 25 | 8 A | HEADING ('Logon' 'ID') |
| KMD-RECORD-CODE | 85 | 2 A | HEADING ('Record' 'Code') |
| MULT-TOTAL-COST | 97 | 8 P 5 | HEADING ('Total' 'Cost' '\$') |
| KMD-TOTAL-COST | 97 | 8 P 5 | HEADING ('Total' 'Cost' '\$') |
| MULT-A-C | 145 | 40 A | HEADING ('Application' 'Cntl') |
| MULT-INST | MULT-A-C | 3 A | HEADING ('Inst' 'Code') |
| MULT-CUST-ID | MULT-A-C +3 | 5 A | HEADING ('Cust' 'ID') |
| MULT-ACCOUNT-CODE | MULT-A-C +8 | 4 A | HEADING ('Acct' 'Code') |
| MULT-LOGONID | MULT-A-C +13 | 8 A | HEADING ('Logon' 'ID') |
| MULT-FIX-TYPE | MULT-A-C +21 | 5 A | HEADING ('Fix' 'Charge' 'Type') |
| MULT-DEBIT-CODE | MULT-A-C +26 | 4 A | HEADING ('Debit' 'Code') |
| KMD-DEBIT-CODE | MULT-A-C +26 | 4 A | HEADING ('Debit' 'Code') |
| MULT-R-U | 225 | 100 A | HEADING ('Reserved' 'User') |
| MULT-VTERM | MULT-R-U | 8 A | HEADING ('VTERM') |
| MULT-STATS | MULT-R-U +8 | 7 A | |

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| | | | |
|-------------------|--------------|-----|---|
| | | | HEADING ('DCSSTJC' 'EAUTSOI' 'LNSCOBC') |
| MULT-LAST-ACTION | MULT-R-U +17 | 3 A | HEADING ('Last' 'ACF2' 'Action') |
| MULT-ACTION-LOGON | MULT-R-U +21 | 8 A | HEADING ('Last' 'Action' 'LID') |
| MULT-LAST-DATE | MULT-R-U +30 | 8 N | HEADING ('Last' 'Logon' 'Date') |

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| | | | |
|----------------|--------------|------|---------------------------------|
| | | | MASK '9999/99/99' |
| MULT-LAST-TIME | MULT-R-U +39 | 8 A | HEADING ('Last' 'Logon' 'Time') |
| MULT-NAME | MULT-R-U +48 | 20 A | HEADING ('Name') |
| MULT-DESC | MULT-R-U +68 | 24 A | HEADING ('Description') |

KOMAND.NWR.COPYLIB(ECOPSDIR)

* LAYOUT OF THE SHADOW DIRECT KOMAND HISTORY RECORD (UCS)

| | | | |
|-------------------|---|-----|-------------------------|
| SDIR-INST | 1 | 3 A | HEADING ('Inst' 'Code') |
| SDIR-CUST-ID | 4 | 5 A | HEADING ('Cust' 'ID') |
| SDIR-ACCOUNT-CODE | 9 | 4 A | HEADING ('Acct' 'Code') |

| | | | | |
|--------------------------------|-----|----|-----|--|
| SDIR-GROUP-CODE | 13 | 4 | A | HEADING ('Group' 'Code') |
| SDIR-SUB-GROUP-CODE | 17 | 4 | A | HEADING ('Sub' 'Group') |
| SDIR-LOGONID | 25 | 8 | A | HEADING ('Logon' 'ID') |
| SDIR-LOGONID-INST 'Prefix') | 25 | 2 | A | HEADING ('LogonID' 'Inst' 'Prefix') |
| KMD-INST | 1 | 3 | A | HEADING ('Inst' 'Code') |
| KMD-CUST-ID | 4 | 5 | A | HEADING ('Cust' 'ID') |
| KMD-ACCOUNT-CODE | 9 | 4 | A | HEADING ('Acct' 'Code') |
| KMD-GROUP-CODE | 13 | 4 | A | HEADING ('Group' 'Code') |
| KMD-SUB-GROUP-CODE | 17 | 4 | A | HEADING ('Sub' 'Group') |
| KMD-LOGONID | 25 | 8 | A | HEADING ('Logon' 'ID') |
| KMD-LOGONID-INST 'Prefix') | 25 | 2 | A | HEADING ('LogonID' 'Inst' 'Prefix') |
| SDIR-TAG | 41 | 4 | A | HEADING ('Data' 'Tag') |
| KMD-DEBIT-CODE | 83 | 2 | B | HEADING ('Debit' 'Code') |
| SDIR-TOTAL-COST | 97 | 8 | P 5 | HEADING ('Total' 'Cost' '\$') |
| KMD-TOTAL-COST | 97 | 8 | P 5 | HEADING ('Total' 'Cost' '\$') |
| SDIR-SMFID | 145 | 4 | A | HEADING ('SMF' 'ID') |
| SDIR-SUBSYS | 149 | 4 | A | HEADING ('Subsystem' 'Name') |
| SDIR-DATE | 153 | 10 | A | HEADING ('SMF' 'Date') |
| SDIR-TIME | 163 | 11 | A | HEADING ('SMF' 'Time') |
| SDIR-IP-ADDR | 174 | 4 | B | HEADING ('IP' 'Address') |
| SDIR-IP-ADDR-DOTTED | 225 | 16 | A | HEADING ('IP' 'Address') |
| SDIR-ELAPSED-TIME | 241 | 8 | N 3 | HEADING ('Elaspsed' 'Secs') |
| SDIR-USER-ABEND-CODE | 249 | 2 | B | HEADING ('User' 'ABEND' 'Code') |
| SDIR-CLIENT-APP-NAME | 251 | 8 | A | HEADING ('Cleint' 'APPL' 'Name') |
| SDIR-CLIENT-LANID-PART | 259 | 20 | A | HEADING ('Client' 'LAN' 'UserID') |
| SDIR-CLIENT-SYS-NAME | 279 | 16 | A | HEADING ('Client' 'System' 'Name') |
| SDIR-CLIENT-BYTES-SENT | 295 | 4 | B | HEADING ('Client' 'Tota' 'Bytes') |
| SDIR-SQL-COUNT | 303 | 4 | B | HEADING ('SQL' 'Count') |
| SDIR-DB2-PLAN-NAME | 307 | 8 | A | HEADING ('DB2' 'Plan' 'Name') |
| SDIR-DB2-SUBSYSTEM | 315 | 4 | A | HEADING ('DB2' 'Sub' 'System') |
| SDIR-CPU-SECS | 325 | 8 | P 5 | HEADING ('CPU' 'Seconds') |
| SDIR-CPU-COST | 333 | 8 | P 5 | HEADING ('CPU' 'Cost') |

KOMAND.NWR.COPYLIB(ECOPSERV)

| | | | | |
|-------------------|--------------|-----|-----|---------------------------------|
| KMD-INST | 1 | 3 | A | HEADING ('Inst' 'Code') |
| KMD-CUST-ID | 4 | 5 | A | HEADING ('Cust' 'ID') |
| KMD-ACCOUNT-CODE | 9 | 4 | A | HEADING ('Acct' 'Code') |
| KMD-GROUP-CODE | 13 | 4 | A | HEADING ('Group' 'Code') |
| KMD-SUB-GROUP | 17 | 4 | A | HEADING ('Sub' 'Group') |
| KMD-PROJECT | 21 | 4 | A | HEADING ('Project') |
| KMD-LOGONID | 25 | 8 | A | HEADING ('Logon' 'ID') |
| KMD-RECORD-CODE | 85 | 2 | A | HEADING ('Record' 'Code') |
| SERV-TOTAL-COST | 97 | 8 | P 5 | HEADING ('Total' 'Cost' '\$') |
| KMD-TOTAL-COST | 97 | 8 | P 5 | HEADING ('Total' 'Cost' '\$') |
| SERV-A-C | 145 | 40 | A | HEADING ('Application' 'Cntl') |
| SERV-INST | SERV-A-C | 3 | A | HEADING ('Inst' 'Code') |
| SERV-CUST-ID | SERV-A-C +3 | 5 | A | HEADING ('Cust' 'ID') |
| SERV-ACCOUNT-CODE | SERV-A-C +8 | 4 | A | HEADING ('Acct' 'Code') |
| SERV-LOGONID | SERV-A-C +13 | 8 | A | HEADING ('Logon' 'ID') |
| SERV-FIX-TYPE | SERV-A-C +21 | 5 | A | HEADING ('Fix' 'Charge' 'Type') |
| SERV-DEBIT-CODE | SERV-A-C +26 | 4 | A | HEADING ('Debit' 'Code') |
| KMD-DEBIT-CODE | SERV-A-C +26 | 4 | A | HEADING ('Debit' 'Code') |
| SERV-R-U | 225 | 100 | A | HEADING ('Reserved' 'User') |
| SERV-DESC | SERV-R-U | 100 | A | HEADING ('Description') |

| | | | | |
|--------------|----------|----|---|-------------------------|
| SERV-DESC-95 | SERV-R-U | 95 | A | HEADING ('Description') |
| SERV-DESC-80 | SERV-R-U | 80 | A | HEADING ('Description') |

KOMAND.NWR.COPYLIB (ECOPSUMM)

| | | | | |
|-------------------|----|----|-----|---|
| SUMM-INST | 1 | 3 | A | HEADING ('Inst' 'Code') |
| SUMM-CUST-ID | 4 | 5 | A | HEADING ('Cust' 'ID') |
| SUMM-ACCOUNT-CODE | 9 | 4 | A | HEADING ('Acct' 'Code') |
| SUMM-GROUP-CODE | 13 | 4 | A | HEADING ('Group' 'Code') |
| SUMM-SUB-GROUP | 17 | 4 | A | HEADING ('Sub' 'Group') |
| SUMM-PROJECT | 21 | 4 | A | HEADING ('Project') |
| SUMM-LOGONID | 25 | 8 | A | HEADING ('Logon' 'ID') |
| SUMM-DEBIT-CODE | 33 | 4 | A | HEADING ('Debit' 'Code' ' ') |
| SUMM-TOTAL-COST | 37 | 12 | N 2 | HEADING ('Total' 'Cost' '\$') - MASK(A 'ZZZZ,ZZZ,ZZZ.99-') |
| SUMM-DEBIT-DESC | 49 | 24 | A | - HEADING ('Debit' 'Description' ' ') |
| SUMM-LOG-DATE | 73 | 8 | N | HEADING ('Billing' 'Date') - MASK '9999/99/99' |
| SUMM-LOG-DATE-Y | 73 | 4 | N | HEADING ('Bill' 'Date' 'Year') |
| SUMM-LOG-DATE-M | 77 | 2 | N | HEADING ('Bill' 'Date' 'Month') |
| SUMM-LOG-DATE-D | 79 | 2 | A | HEADING ('Bill' 'Date' 'Day') |

KOMAND.NWR.COPYLIB (ECOPSWEB)

* LAYOUT OF THE SHADOW WEB KOMAND HISTORY RECORD (UCS)

| | | | | |
|------------------------|-----|----|-----|-------------------------------------|
| KMD-INST | 1 | 3 | A | HEADING ('Inst' 'Code') |
| KMD-CUST-ID | 4 | 5 | A | HEADING ('Cust' 'ID') |
| KMD-ACCOUNT-CODE | 9 | 4 | A | HEADING ('Acct' 'Code') |
| KMD-GROUP-CODE | 13 | 4 | A | HEADING ('Group' 'Code') |
| KMD-SUB-GROUP-CODE | 17 | 4 | A | HEADING ('Sub' 'Group') |
| KMD-LOGONID | 25 | 8 | A | HEADING ('Logon' 'ID') |
| KMD-LOGONID-INST | 25 | 2 | A | HEADING ('LogonID' 'Inst' 'Prefix') |
| KMD-CHARGE-CODE | 41 | 4 | A | HEADING ('Charge' 'Code') |
| KMD-DEBIT-CODE | 83 | 2 | B | HEADING ('Debit' 'Code') |
| SWEB-TOTAL-COST | 97 | 8 | P 5 | HEADING ('Total' 'Cost' '\$') |
| KMD-TOTAL-COST | 97 | 8 | P 5 | HEADING ('Total' 'Cost' '\$') |
| SWEB-SMFID | 145 | 4 | A | HEADING ('SMF' 'ID') |
| SWEB-SUBSYS | 149 | 4 | A | HEADING ('Subsystem' 'NAME') |
| SWEB-DATE | 153 | 10 | A | HEADING ('SMF' 'Date') |
| SWEB-TIME | 163 | 11 | A | HEADING ('SMF' 'Time') |
| SWEB-IP-ADDR | 174 | 4 | B | HEADING ('IP' 'Address') |
| SWEB-IP-ADDR-DOTTED | 225 | 16 | A | HEADING ('IP' 'Address') |
| SWEB-ABEND-CODE | 249 | 4 | B | HEADING ('ABEND' 'Code') |
| SWEB-ABEND-REASON-CODE | 253 | 4 | B | HEADING ('ABEND' 'Reason' 'Code') |
| SWEB-RETURN-CODE | 257 | 4 | B | HEADING ('Return' 'Code') |
| SWEB-HTML-STATUS-CODE | 261 | 4 | B | HEADING ('HTML' 'Status' 'Code') |
| SWEB-REASON-CODE | 265 | 4 | B | HEADING ('Reason' 'Code') |
| SWEB-CLIENT-BYTES-SENT | 273 | 4 | B | HEADING ('Client' 'Bytes' 'Sent') |
| SWEB-RULE-SET-NAME | 277 | 8 | A | HEADING ('Rule' 'Set' 'Name') |
| SWEB-EVENT-NAME | 285 | 8 | A | HEADING ('Event' 'Name') |
| SWEB-CPU-SECS | 325 | 8 | P 5 | HEADING ('CPU' 'Seconds') |
| SWEB-CPU-COST | 333 | 8 | P 5 | HEADING ('CPU' 'Cost') |

KOMAND.NWR.COPYLIB (ECOPTAPE)

| | | | | |
|-------------------|--------------|-----|-----|--------------------------------------|
| KMD-INST | 1 | 3 | A | HEADING ('Inst' 'Code') |
| KMD-CUST-ID | 4 | 5 | A | HEADING ('Cust' 'ID') |
| KMD-ACCOUNT-CODE | 9 | 4 | A | HEADING ('Acct' 'Code') |
| KMD-GROUP-CODE | 13 | 4 | A | HEADING ('Group' 'Code') |
| KMD-SUB-GROUP | 17 | 4 | A | HEADING ('Sub' 'Group') |
| KMD-PROJECT | 21 | 4 | A | HEADING ('Project') |
| KMD-LOGONID | 25 | 8 | A | HEADING ('Logon' 'ID') |
| KMD-RECORD-CODE | 85 | 2 | A | HEADING ('Record' 'Code') |
| TAPE-TOTAL-COST | 97 | 8 | P 5 | HEADING ('Total' 'Cost' '\$') |
| KMD-TOTAL-COST | 97 | 8 | P 5 | HEADING ('Total' 'Cost' '\$') |
| TAPE-A-C | 145 | 40 | A | HEADING ('Application' 'Cntl') |
| TAPE-INST | TAPE-A-C | 3 | A | HEADING ('Inst' 'Code') |
| TAPE-CUST-ID | TAPE-A-C +3 | 5 | A | HEADING ('Cust' 'ID') |
| TAPE-ACCOUNT-CODE | TAPE-A-C +8 | 4 | A | HEADING ('Acct' 'Code') |
| TAPE-LOGONID | TAPE-A-C +13 | 8 | A | HEADING ('Logon' 'ID') |
| TAPE-FIX-TYPE | TAPE-A-C +21 | 5 | A | HEADING ('Fix' 'Charge' 'Type') |
| TAPE-DEBIT-CODE | TAPE-A-C +26 | 4 | A | HEADING ('Debit' 'Code') |
| KMD-DEBIT-CODE | TAPE-A-C +26 | 4 | A | HEADING ('Debit' 'Code') |
| TAPE-R-U | 225 | 100 | A | HEADING ('Reserved' 'User') |
| TAPE-VOLSER | TAPE-R-U | 6 | A | HEADING ('Volume' 'Serial') |
| TAPE-DSN | TAPE-R-U +7 | 44 | A | HEADING ('First(?)' 'Data Set Name') |
| TAPE-CREATE-DATE | TAPE-R-U +51 | 6 | A | HEADING ('Create' 'Date') |
| TAPE-EXPIRE-DATE | TAPE-R-U +57 | 6 | A | HEADING ('Expire' 'Date') |
| TAPE-EXPIRE-CODE | TAPE-R-U +65 | 5 | A | HEADING ('Expire' 'Code') |

KOMAND.NWR.COPYLIB(ECOPUNDR)

| | | | | |
|-------------------|--------------|-----|-----|---------------------------------|
| KMD-INST | 1 | 3 | A | HEADING ('Inst' 'Code') |
| KMD-CUST-ID | 4 | 5 | A | HEADING ('Cust' 'ID') |
| KMD-ACCOUNT-CODE | 9 | 4 | A | HEADING ('Acct' 'Code') |
| KMD-GROUP-CODE | 13 | 4 | A | HEADING ('Group' 'Code') |
| KMD-SUB-GROUP | 17 | 4 | A | HEADING ('Sub' 'Group') |
| KMD-PROJECT | 21 | 4 | A | HEADING ('Project') |
| KMD-LOGONID | 25 | 8 | A | HEADING ('Logon' 'ID') |
| KMD-RECORD-CODE | 85 | 2 | A | HEADING ('Record' 'Code') |
| UNDR-TOTAL-COST | 97 | 8 | P 5 | HEADING ('Total' 'Cost' '\$') |
| KMD-TOTAL-COST | 97 | 8 | P 5 | HEADING ('Total' 'Cost' '\$') |
| UNDR-A-C | 145 | 40 | A | HEADING ('Application' 'Cntl') |
| UNDR-INST | UNDR-A-C | 3 | A | HEADING ('Inst' 'Code') |
| UNDR-CUST-ID | UNDR-A-C +3 | 5 | A | HEADING ('Cust' 'ID') |
| UNDR-ACCOUNT-CODE | UNDR-A-C +8 | 4 | A | HEADING ('Acct' 'Code') |
| UNDR-LOGONID | UNDR-A-C +13 | 8 | A | HEADING ('Logon' 'ID') |
| UNDR-FIX-TYPE | UNDR-A-C +21 | 5 | A | HEADING ('Fix' 'Charge' 'Type') |
| UNDR-DEBIT-CODE | UNDR-A-C +26 | 4 | A | HEADING ('Debit' 'Code') |
| KMD-DEBIT-CODE | UNDR-A-C +26 | 4 | A | HEADING ('Debit' 'Code') |
| UNDR-R-U | 225 | 100 | A | HEADING ('Reserved' 'User') |
| UNDR-VOLSER | UNDR-R-U | 5 | A | HEADING ('Volume' 'Serial') |
| UNDR-DSN | UNDR-R-U +6 | 44 | A | HEADING ('Data Set Name') |
| UNDR-CREATE-DATE | UNDR-R-U +50 | 6 | A | HEADING ('Create' 'Date') |
| UNDR-BLKSIZE | UNDR-R-U +56 | 6 | A | HEADING ('Block' 'Size') |
| UNDR-BLKCOUNT | UNDR-R-U +65 | 8 | A | HEADING ('Block' 'Count') |