

FORMATS FOR MAPPER RUN FUNCTION STATEMENTS



MAPPER RUN FUNCTION FORMATS

RUN FUNCTION CALL - FOR

@ADD,MD,TP,RD,MD,TP,RD
 @ADR,MD,TP
 @ART EXPRESSIONS VNDATA
 @AUX,MD,TP,RD,STA,DEV,SEQY/N,FMT,TAB,DELHD,
 DEL 1STCH,SPACEQ,TRANS,ID,STATL
 @BFN,MD,TP,RD,LINE,LABEL OPT CHR LNTP,PRM VNDATA
 @BRK,M,T
 @CAL,MD,TP,RD,LINE,LNQTY,LABEL OPT CHR LNTP
 EQUATION(S),VRBL(S)
 @CPY,OPT SITE,QUAL,FILE,ELT,VER SITE,QUAL,FILE,ELT,
 VER USER,DPT,CMT
 @CSR
 @DAT,MD,TP,RD OPT CHR LNTP,PRM
 @DLL,MD,TP,RD,ADR,DEV,PGRLAB
 @DLR,MD,TP,RD
 @DSP,MD,TP,RD,LINE,TABQ,FMT,INTRMY/N
 @DUP,MD,TP,RD
 @ESR,BIAS
 @FND,MD,TP,RD,LINE,LABEL OPT CHR LNTP,PRM VNRID,
 VNLIN
 @IND,MD,TP,LNQTY,LABEL
 @LCH,MD,TP,RD,LINE,LABEL OPT CHR PRM/PRM,VNLIEQ,
 VNRID
 @LDV,OPT VRBL(S) = DATA
 @LNI,MD,TP,RD,LINE,DUPQTY,FROM LN,NO,LINES
 @LNM,MD,TP,RD,LINE,MOUQTY,FROM LN,NO,LINES
 @LN+ ,MD,TP,RD,LINE,LNQTY,CLINE
 @LN- ,MD,TP,RD,LINE,LNQTY
 @LNx,MD,TP,RD,LINE,DQTY,LNQTY
 @LOC,MD,TP,RD,LINE,LABEL OPT CHR PRM VNCHAR,VNLIN,
 VNRID
 @LOK,MD,TP,RD
 @LZR,MD,TP,RD LABEL VRBLs
 @MAU,MD1,TP1,RD1,MD2,TP2,RD2,LABEL OPT CHR1 LNTP1,
 PRM1 CHR2 LNTP2,PRM2
 @MCH,MD1,TP1,RD1,MD2,TP2,RD2,LABEL OPT CHR1 LNTP1,
 PRM1 CHR2 LNTP2,PRM2
 @MOD,MD,TP
 @OUT,MD,TP,RD,LINE,LNQTY,OUTLN,TABQ,ERASE/N,
 INTRMY/N,PD,PROT,FTY/N,SP,BL
 @PRT,MD,TP,RD,SEQY/N,FMT,SITE,CPYQ,ALLY/N,SPACEQ,
 DELVRY,SF
 @RDC,MD,TP,RD,LINE,LNQTY,LNTP
 LABEL CHR VNDATA.OUT NEXT LINE
 @RDL,MD,TP,RD,LINE,LABEL CHR VNDATA
 @REP,MD,TP,RD,MD,TP,RD
 @RFM,MD,TP,RD,MD,TP,RD OPT CHR LNTP,PRM CHR LNTP,PRM
 @RLN,LINE,LABEL CHR VNDATA
 @RRN,MD,TP,RD,FMT,Y/N RUNAME,VN SITE,USER,DPT,PW,
 DSP,LN,MD,PW,TP,FMT
 @RSR,MD,TP,RD LABEL
 @RTN,MD,TP,RD,FMT,MD,PW,TP,FMT
 @RUN NAME,VN (UP TO 40 VARIABLES)
 @SEN,MD,TP,RD,STA
 @SOR,MD,TP,RD OPT CHR LNTP,PRM
 @SRH,MD,TP,RD,LINE,LNQTY,LABEL OPT CHR LNTP,
 PRM VNFNDS,VNLNS
 @SRU,MD,TP,RD,LINE,LNQTY,LABEL OPT CHR LNTP,
 PRM VNFNDS,VNLNS,VNRID
 @STR,MD,TP,RD,RUNID
 @SUB,MD,TP,RD,LABEL OPT CHR LNTP,
 PRM VNDATA.OUT NEXT LINE
 @TCS,MD,TP,RD,FMT,DEV,FNC,ID,ADR,TRNSP,TBCD,TRK,EOT,
 EOD,DELHD,SPC,STA
 @TOT,MD,TP,RD,LABEL OPT CHR LNTP,PRM VNDATA
 @WRL,MD,TP,RD,LINE CHR LNTP,VNDATA . (USE LOK & ULK)

| CALL | FUNCTION | RUN STATEMENT (IN FIELD CODES) |
|-------|------------------|----------------------------------------------|
| ADD, | APPEND | M,T, R,M, T,R |
| ADR, | ADD RPT | M, T (RNM =RID) |
| ART | ARITH | EQ;EQ V,V |
| BFN, | BINARY FIND | M,T,R,LN,L O C T,P V |
| BRK, | BREAK | M,T (BLNK=RUN TYPE) |
| CAL, | CALCULATE | M,T,R,LN,Lq,L O C T,P EQ;EQ...V |
| CHG | CHANGE VAR | V |
| CSR | CLEAR SUBROUTINE | |
| DAT, | DATE | M,T,R O C T, P |
| DEL | DELETE | SU DELETE |
| DLL, | U400 LOAD | M,T,R,ADDRESS |
| DLR, | DEL RPT | M,T,R |
| DSP, | DISPLAY | M,T,R,LN,TQ,FMT,I (RSM TO CONTINUE) |
| DUP, | DUP RPT | M,T,R (RNM = RID) |
| ESR, | EXIT SUBROUTINE | BIAS |
| FND, | FIND | M,T,R,LN,L O C |
| * | | T,P V(R),V(LN) |
| GTO | GO TO | END/L/LIN +/-N |
| IF | CONDITION | CHG & OR GTO |
| IND, | INDEX | M,T, LINES |
| INS | INSERT CHR | V(C) V(C) |
| LCH, | LOC & CHG | M,T,R,LN, L O C |
| * | | P/P V(LQ), V(R) |
| LDV, | LOAD VARIABLE | O V |
| LN+ , | ADD LINE/S | M,T,R, LN,LQ, T |
| LN- , | DEL LINE/S | M,T,R, LN,LQ |
| LNI, | INSERT LINES | M,T,R,L,DQ,IL,LQ |
| LNM, | MOVE LINES | M,T,R,L,MQ,ML,LQ |
| LNx, | DUP LINE | M,T,R,LN,LQ,LQ |
| LOC, | LOCATE | M,T,R,LN,L O C P |
| * | | V(C), V(LN), V(R) |
| LOG | TURN ON | ACCOUNTING LOG |
| LOK, | UPDATE LOCK | M,T,R |
| LZR, | LINE ZERO | M,T,R,L V(LQ),V(C),V(H), V(CS),V(U),V(FI) |
| MAU, | MATCH UPD | M,T,R,M,T,R |
| * | | O C T, P C T,P |
| MCH, | MATCH | M,T,R,M,T,R |
| * | | O C T, P C T,P |
| OUT, | DISPLAY OUT | M,T,R,LN,LQ,PL,TO E(Y),(Y),PD,P/E |
| * | | M,T,R,LN,LQ,T,L C |
| RDC, | READ CONT | V (OUTP NXT LN) |
| RDL, | READ LINE | M,T,R,LN,L C V |
| REL | RELEASE | STILL SIGNED ON |
| REP, | REPLC REP | M,T,R,M,T,R |
| RFM, | REFORM | M,T,R,M,T,R O |
| * | | C T,P C T,P |
| RLN, | READ LINE2 | LINE, LABEL C V |
| RNM | RESULT SAVE | -1 2 3 4 |
| RNM | RID TO RES. | M,T,R -0 1 2 3 4 |
| RSR, | RUN SUBROUTINE | M,T,R L |
| RUN | START RUN | NAME, V(40 MAX REC AS INPUTS) |
| SEN, | SEND MSG | M,T,R,STA |
| SOR, | SORT | M,T,R O C T,P |
| SRH, | SEARCH | M,T,R,LN,LQ, L O C |
| * | | T,P V(F), V(L) |
| SRU, | SRH UPDAT | M,T,R,LN,LQ,L O C |
| * | | T,P V(F), V(L), V(R) |
| STR, | BATCH ST | M,T,R,RUN-ID |

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For internal SPERRY use only

MAPPER RUN FUNCTION FORMATS (Cont.)

| CALL | FUNCTION | RUN STATEMENT (IN FIELD CODES) |
|---------------|----------------------------------|---------------------------------------------------------------------|
| SUB, * | SUBTOTAL | M,T,R,L O C T,P V V (OUTPUT NXT LN) |
| TOT,TOTALIZER | | M,T,R,L O C T, P V |
| ULK | UPD UNLOCK | |
| UPD | UPDATE | SRU & MAU UPDATE |
| WAT | WAIT | MILLISECONDS |
| WRL, | WRITE LINE | M,T,R,LN C T,V(DATA) (USE LOK & ULK) |
| XIT \ / | SIGN OFF CONTINUE MULTIPLE | USER SIGN OFF STATEMENT NEXT LN PARAMETERS |
| AUX, | AUXILIARY | M,T,R,STA,DV,SEQN,FORM,TBCD, DELHD,1ST CHAR,SPACE,TRNSP,ID |
| PRT, | PRINT | M,T,R,SEQN,FMT,SITE,COPIES,ALL, SP,DELV |
| TCS, | CASSETTE | M,T,R,FMT,DEV,FNC,ID,ADR, TRNSP,TBCD,TRK,EOT,EDD,DLHD, SP,STA |
| RRN, | REMOTE RUN | M,T,R,FMT RNM,VAR SITE,USER, OPT,PW,D(Y),LN,M,PW,T,FMT |
| RTN, | RR RETURN | M,T,R,FMT M,PW,T,FMT |

RESERVE WORD CALLS

| | |
|----------|-----------------------------------------------------------------------------|
| CHAR\$ | = LINE CHARACTER QTY |
| CONFG\$ | = CONFIGURATION RID NO. |
| COORD\$ | = COORDINATOR STATION NO. |
| CRID\$ | = RID NO. CALLING A SUBROUTINE |
| CTYPES\$ | = OCTAL FORM TYPE NO. CALLING SUBROUTINE |
| CURV\$ | = VERTICAL CURSOR POSITION |
| DATE0\$ | = YMMDD |
| DATE1\$ | = YYMMDD |
| DATE2\$ | = DD MMM YY |
| DATE3\$ | = YDAY |
| DATE4\$ | = YYDAY |
| DAY\$ | = DAY OF THE WEEK |
| DEPN\$ | = DEPARTMENT SIGN ON NO. |
| DEPT \$ | = DEPT ID |
| DLINE\$ | = LINE NO. 1ST LINE IN DISPLAY |
| EMODE\$ | = MODE EXTERNAL SUBROUTINE RESIDES IN |
| ERID\$ | = RID EXTERNAL SUBROUTINE RESIDES IN |
| ETYPES\$ | = TYPE EXTERNAL SUBROUTINE RESIDES IN |
| FCC\$ | = INDICATES HARDWARE PROTECT CAPABILITY |
| FMT\$ | = ACTIVE FORMAT OF DISPLAYED REPORT |
| INPUT\$ | = UP TO 10 (12 CHR) VAR'S W/RUN CALL UP TO 40 (12 CHR) VAR'S FROM AN OUT |
| INPUT\$ | = LOAD VARIABLES VIA MANUAL INPUT |
| INVAR\$ | = SAME AS INPUT\$ BUT ALLOWS STRINGS |
| INVR1\$ | = SIMILAR TO INVAR\$ |
| IO\$ | = IO QTY |
| LINE\$ | = CURR LINE NO. |
| LLP\$ | = LOGIC LINE QTY |
| LRRSD\$ | = SITE NO. OF 1100 OPERATING SYSTEM |
| MODE\$ | = RESULT |
| MODE1\$ | = MODE |
| OLINE\$ | = NO. OF NEXT LINE TO BE WRITTEN IN OUTPUT AREA |
| RID\$ | = NO. OF RID CURRENTLY BEING PROCESSED |
| RRSID\$ | = REMOTE RUN SITE ID |
| SCNH\$ | = LINE LENGTH |
| SCNV\$ | = SCREEN LINE QTY |
| SOE\$ | = SOE |
| SOEH\$ | = HORIZONTAL POSITION IN |
| SOEV\$ | = VERTICAL POSITION IN |
| STAT1 | = RESERVED FOR VARIOUS FUNCTIONS |
| STAT2 | = RESERVED FOR VARIOUS FUNCTIONS |

RESERVE WORD CALLS (Cont.)

STNUM\$ = STATION
 TIME\$ = HH:MM:SS
 TYPES = TYPE NO.
 USERS\$ = USER NAME

FIELD CODES

BIAS = QUANTITY OF LINES ABOVE OR
 BELOW CURRENT ONE
 C = CHARACTERS
 CS = CHARACTER SET
 DQ = DUPLICATE QUANTITY
 E = ERASE
 EQ = EQUATION
 F = FORMAT
 FI = MAPPER FILE NO.
 H = FIELD HEADER LINE QUANTITY
 I = INTERIM DISPLAY
 IL = BEGINNING LINE NO. TO INSERT
 L = LABEL
 LN = LINE
 LQ = LINE QUANTITY
 M = MODE
 ML = BEGINNING LINE NO. TO MOVE
 MQ = MOVE QUANTITY
 P = PARAMETER
 PDQ = PUSH DOWN QUANTITY
 PL = START LINE OUT
 R = RID
 SN = STATION NO.
 T = TYPE
 TQ = TAB QUANTITY
 U = UPDATE
 V = VARIABLE

IN A RUN CONTROL STATEMENT
 (TIC MARKS) ARE:

USED PLACE OF OPTION WHEN
 OPTION NOT USED

PLACED AROUND A TAB SET

PLACED AROUND A V WHEN
 V IS USED FOR OTHER THAN
 A VARIABLE

PLACED AROUND A SPACE
 WHEN SPACE IS NOT USED
 TO TERMINATE FIELD

PLACED AROUND COMMA
 WHEN COMMA DOES NOT
 TERMINATE A SUB-FIELD

PLACED AROUND/
 WHEN/DOES NOT INDICATE
 MULTIPLE PARAMETERS

PLACED AROUND \ WHEN
 \ DOES NOT MEAN CONTROL
 LINE CONTINUATION

DBL RID FUNCTION:

1st RID SPECIFIED IS ISSUING REPORT
 2nd RID SPECIFIED IS RECEIVING REPORT