

UNISYS

OS 1100

MAPPER[®]

Manual Functions

**Operations
Reference Card**

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FUNCTIONS AND RUNS

Name	Call	Description
Aborting	F4/MSG WAIT	Terminates MAPPER function in process.
Acknowledge Message	OK	Acknowledges a message and removes it from queue.
Add Lines	►]q+[<i>predff</i>]	Adds line or lines.
Add On ¹	ADON ADON <i>rt</i>	Appends report to displayed report or result.
Add Report	AR AR <i>t</i> AR <i>rt</i>	Adds new report in specified form type.
Add To ¹	ADTO ADTO <i>rt</i>	Appends displayed data to another report.
Alarm	AL	Sends messages to as many as three stations at predetermined time.
	AL,D	Displays message log.
Arithmetic ¹	A A <i>rt</i> A -	Does computations using arithmetic expressions.
Auxiliary	AUX	Queues data to auxiliary device.
Background Run	BR <i>runm</i> [<i>d1,d2,...</i>]	Starts a MAPPER run in background.
	BRX <i>runm</i> [<i>d1,d2,...</i>]	Same as BR but does not return a completion message.
Batch Start	START	Starts batch run.
Binary Find ²	BF BF <i>rt</i> [<i>f</i>] BF -	Splits reports, finds and displays data.
Build Label Table ¹	BLT	Puts label table definition lines in RCR.
Calculate ¹	CAL CAL <i>rt</i> [<i>f</i>]	Does complex computations and conditional evaluations.
Calculate Update ¹	CALU CALU <i>rt</i> [<i>f</i>]	Does complex computations and conditional evaluations for update.
Calendar	C[<i>mmm,yyyy</i>]	Displays calendar on screen.

Name	Call	Description
Call	CALL	Calls another user or station for two-way conversation on display terminals.
Change ¹	CHG CHG <i>rt</i> [<i>f</i>] CHG[<i>rt</i>]; /tgtstr/replstr/o	Changes character string to new image.
Clear Label Table ¹	CLT	Deletes label table definition lines from RCR.
Copy	COPY	Copies OS 1100 file or element to another site.
Cut ¹	CUT CUT <i>rt</i>	Cuts and pastes text.
Date ¹	DATE DATE <i>rt</i> [<i>f</i>]	Does computations on dates.
Decode Report	DECODE DECODE <i>key</i>	Transforms encoded report into readable report.
Delete Lines	⌘q-	Deletes line or lines.
Delete Report	DR	Deletes report.
Delete Updates ³	DEL	Deletes lines in result of update function from report.
Device	DEV DEV <i>sn</i> [<i>devtyp</i>]	Lists auxiliary devices or status.
Diskette	DISK	Reads from or writes to 5-1/4-inch diskettes.
Display Line Count	DLC[,S]	Places line numbers of report or result on screen display.
Display Report	D <i>rt</i> [<i>f</i> , <i>l</i>] D <i>dnm</i> [<i>f</i> , <i>l</i>]	Displays reports.
Downline Load	DLL	Downline loads UTS 400/40 terminal.
Duplicate Lines	⌘xX[<i>q</i>]	Duplicates line or lines.
Duplicate Report	XR XR <i>rt</i>	Duplicates reports.
Element	ELT	Copies MAPPER reports to OS 1100 file or element.
Element Delete	ELT-	Deletes OS 1100 file or element.
Encode Report	ENCODE ENCODE <i>key</i>	Transforms report into code, making it unreadable.

Name	Call	Description
Examination	EXAM	Checks progress and proficiency with MAPPER software.
Extract Updates ³	EXT	Deletes lines in result of update function or redisplay result.
Find	F F <i>rt</i> [<i>f</i>] F -	Finds and displays data.
Form Generation	FORMGEN	Builds report for generating new form type.
Function	FUN	Displays common functions and calls.
Help	HELP HELP, <i>tgt</i> [<i>sec</i>]	Provides information on MAPPER capabilities and usage.
Index ¹	I I <i>qt</i>	Indexes form type.
Index User ¹	IU IU [<i>qt</i>]	Displays first lines of reports by type, date, and range.
Insert Lines)x [<i>q</i> -]	Inserts line or lines.
Iterative Calculate ¹	ICAL ICAL* ICAL <i>eqnm</i> [<i>r</i>]	Performs complex or conditional calculations using named equation set. Enables user to calculate and try again.
Language	LANG LANG <i>n</i>	Displays MAPPER system messages in another language.
Limits	LIMITS	Displays highest RID number and maximum number of lines per report allowed for current mode and type.
Line Control	L	Restores control line.
Line Zero	LZ LZ <i>rt</i>	Displays line 0 information.
Locate ⁴	LOC LOC <i>tgtstr</i> LOC <i>rt</i> [<i>f</i>] LOC [<i>rt</i>];/ <i>tgtstr</i> / <i>o</i>	Locates and displays character string.
Make a Run Statement	MARS[*, <i>rt</i>]	Creates run statements.
Match ¹	MA MA <i>rt</i> [<i>f</i>]	Compares, matches, moves data.
Match Update ¹	MAU MAU <i>rt</i> [<i>f</i>]	Matches data for update.

Name

Call

Description

Mode	M { <i>m</i> <i>dnm</i> } <i>mpw</i>	Selects mode.
Move Lines	⌘xMI [<i>q</i> - <i>l</i>]	Moves line or lines.
Name	NAME NAME <i>rnm</i> [<i>m</i> , <i>t</i> , <i>r</i> , <i>dpt</i> , <i>usr</i> , <i>fn</i> , <i>upd</i>]	Enters a report or mode name in Data Directory.
Paint	F2/PNT	Redisplays the screen.
Password	PSW <i>psw</i>	Assigns, changes, clears report passwords; unlocks reports for updating.
Paste	PASTE PASTE [M <i>npw</i>] <i>rt</i>	Pastes text.
Phrase Change ¹	PC <i>tgtstr</i> , <i>replstr</i> , [R <i>r</i>]	Locates and changes a word or sequence of words.
Phrase Locate	PL <i>tgtstr</i> [, <i>o</i>]	Locates a word or sequence of words.
Print	PR	Queues data to system printer.
Punch	PUNCH	Punches 80-column cards.
Read Password	RPSW RPSW { <i>psw</i> <i>keyw</i> }	Assigns, changes, clears read protect password or read access locks.
Reformat ¹	RF	Moves columns of data.
Release	^	Releases display.
Remote Symbiont Interface	RSI	Enters demand mode at MAPPER system terminal.
Replace	REP REP <i>rt</i>	Replaces report with displayed report or result.
Result ¹	RSLT RSLT <i>rt</i>	Creates instant result copy of report or result.
Resume	F1/RSM	Resumes executing interrupted function.
Retrieve ¹	RET R	Retrieves MAPPER reports.
	RETR RETR <i>rt</i>	Retrieves MAPPER reports. Do not need to be registered to use.
	RET [P]	Retrieves OS 1100 data file or program file element.
Run Generation	RUN	Generates run as manual functions are executed.

Name	Call	Description
Run Status ¹	RS RS[,o,runm,sn]	Reports status of background runs.
Save	SV	Holds report or result for later display with RSM.
Schedule	SCHEDULE SCHEDULE runm, time,date SCHEDULE D	Schedules a MAPPER run for periodic execution or execution at a later time (in background). Displays or deletes runs from schedule.
Search ¹	S S {rt t} [f] S -	Searches for data.
Search Update ¹	SU SU rt [f]	Searches reports for update.
Send Report	SEND SEND sn[,Y]	Sends reports or results to another station.
Sign Off	X	Releases control of display terminal.
Sign On]usr,dpt,[psw]	Signs on to MAPPER system terminal.
Snooze	SNOOZE SNOOZE tm	Delays receipt of messages.
SOE Update	►changes ■	Changes data between SOE (►) and cursor (■).
Sort ¹	SORT SORT rt [f]	Rearranges order of lines of data.
Spelling Check	SP word	Checks spelling of a word.
Station-to-Station Message	SS	Sends messages (up to full screen) to another station.
Stop	STOP STOP[,runm,sn]	Aborts execution of a background run.
Tape Cassette (Diskette)	TCS	Reads from or writes to cassettes or diskettes.
Terminal Width	TW {80 132}	Sets display width to 80 or 132 columns.
Totalize ¹	TOT TOT rt [f]	Does arithmetic and move operations.
Type	T	Displays available form types in mode.

Name	Call	Description
Type Password	TPW TPW <i>tpw,t</i>	Unlocks type for access.
Update ³	UPD	Blends lines in results of update function into reports.
Word Change ¹	WC <i>rt</i> WC <i>tgtstr,</i> <i>replstr,[...]</i>	Locates and changes words from lists.
Word Locate	WL <i>rt</i> WL <i>tgtstr,[...]</i>	Locates words from lists.

1. Creates a result.
2. Creates a result with N or O option.
3. Use with update functions: CALU, MAU, and SU as well as LOC or CHG with the OU option specified.
4. Creates a RESULT with O option or UPD RESULT with OU.

Definitions for Functions and Runs

<i>changes</i>	Modifications to report or result
<i>date</i>	Date (YYMMDD)
<i>devtyp</i>	Device type
<i>dnm</i>	Data name
<i>dpt</i>	Department number
<i>d1,d2,..</i>	Parameters passed to the run
<i>eqnm</i>	Equation set name
<i>f</i>	Format number
<i>fn</i>	Function (ADD, CHG, DEL)
<i>key</i>	Character key
<i>keyw</i>	Special keyword
<i>l</i>	Line number
<i>ll</i>	Last line
<i>m</i>	Mode number
<i>mmm</i>	First three letters of month
<i>mpw</i>	Mode password
<i>n</i>	Language number
<i>npw</i>	Mode number and mode password
<i>o</i>	Options
<i>predfl</i>	Predefined lines defined in RID 0
<i>psw</i>	Password
<i>q</i>	Number of lines (line quantity)
<i>qt</i>	Quantity of lines to index and type
<i>rcr</i>	Run control report
<i>replstr</i>	Replacement string
<i>rnm</i>	Report name
<i>runm</i>	Run name
<i>rt</i>	Report number and form type ⁵
<i>sec</i>	Specific section (RUN, MESSAGE, OPTIONS, or EX)
<i>sn</i>	Station number
<i>t</i>	Alphabetic form type
<i>tgt</i>	Item in target list
<i>tgtstr</i>	Target string
<i>time</i>	Time (HHMM)
<i>tm</i>	Time (M, H, or D)
<i>tpw</i>	Type password
<i>upd</i>	Update data name in system directory
<i>usr</i>	User-id

Definitions for Functions and Runs (continued)

word	Word needing correct spelling
x	Number of times to duplicate a line
yyyy	Year
Y	Yes, to acknowledge (The system assumes N if a comma and Y are omitted.)
*	Use report field names
-	Means operate on report or result on display
-	With //, means through last line
-	With function name (ELT-), is part of function call

5. For ARITHMETIC, report number and type having predefined equations; for LIST MERGE, receiving report number type (issuing report must be on display).

OPTIONS

This list summarizes the options for 10 common functions.

BF	A, B, C ² , E, I[n], K, N, O, P, Q, Rx-y, S, U, @, /
CAL	A, C, E, I, J(x), Kn, L, Nn, O, Rn, Sx, T, V, X, *
CHG	A, C ² , F, M ³ , O, OU, Sx{-y ,n}, Tx
DATE	A, n, T, W
F	A, C ² , Rx{-y ,y}, @, /
LOC	A, Bn ¹ , C ² , F, M ³ , O, OU, Sx{-y ,n}, Tx, U ¹
MA	A, B, C ² , D, F, I ¹ , M, N, P, S
SORT	A, C ²
S	A, B[(n)], C ² , D, En, F, H, L(x), N, P, Q[(n)], Rx{-y ,y}, S, T[(x)], U[(x)], @, /
TOT	A, C ² , E, H, I, J(x), O, Rn, S, =x, *

Option	Purpose	Functions
A	Process all line types.	BF CAL CHG DATE F LOC MA SORT S TOT
B	Build index.	BF
Bn ¹	Back up n lines after locate.	LOC
B	Blend issuing and receiving reports.	MA
B[(n)]	Stop search after nth find. Default = first find.	S
C ²	Character set control (case sensitivity).	BF CHG F LOC MA SORT S TOT
C	Conditionally display specific result lines.	CAL
D	Omit match or search information lines from result.	MA S
E	Display last item found (if item appears more than once, not first item).	BF
E	Erase fields (fill with spaces) if value = 0.	CAL
E	Count entries.	TOT
En	Estimate number of lines in result.	S

Option	Purpose	Functions
F	Process all line types; locate or change full character string.	CHG LOC
F	Do not fill move fields on a no-match condition.	MA
F	Search for floating-point numbers.	S
H	Display only header lines from first report in multiple report search.	S
H	Cumulate horizontally.	TOT
I[n]	Use index in report <i>n</i> . Default = report 2.	BF
I	Produce integer results.	CAL
I ¹	Issuing report on display.	MA
I	Ignore header restrictions.	TOT
J(x)	Numerically justify result value to <i>x</i> : <i>x</i> = c, l, r, x, or z.	CAL TOT
K	Verify that reports are sorted in ascending order.	BF
K <i>n</i>	Initialize value label to <i>n</i> .	CAL
L	List value label names or values in result.	CAL
L(x)	Omit line type <i>x</i> from result.	S
M ³	Treat first character of target string as line type designator.	CHG ³ LOC
M	Display only matched lines in result.	MA
N	Create separate line per item and item count in result.	BF
N <i>n</i>	Substitute numeric value <i>n</i> for nonnumeric fields. Default = 0.	CAL
N	Display lines not meeting match or search parameters.	MA S
<i>n</i>	Define number of work days in a week.	DATE
O	Create result containing items found.	BF CHG LOC
O	Omit data lines from result; include headers, value labels or final values.	CAL TOT
OU	Create updatable result.	CHG LOC
P	Include period lines in result (valid only with N option).	BF
P	Issuing and receiving reports are presorted.	MA
P	Process paragraphs.	S
Q	Quickly find a single item.	BF
Q[(<i>n</i>)]	Stop scan after <i>n</i> th paragraph. Default = first paragraph; use P option.	S
Rx{- <i>y</i> <i>y</i> } ⁴	Scan range of reports: RIDs <i>x</i> through <i>y</i> ; scan RIDs <i>x</i> , <i>y</i> .	BF F S
R <i>n</i>	Round answers to nearest <i>n</i> .	CAL TOT

Option	Purpose	Functions
S	Scan each report separately.	BF
Sx	Set character set interpretation: F (full), L (limited), S (strict).	CAL
Sx{-y ,n}	Start scan at line x through line y; scan n lines.	CHG LOC
S	Display matched or found lines in issuing report or search parameter order.	MA S
S	Place subtotals in vertical operation fields.	TOT
T	Include processed and unprocessed lines in result.	CAL
Tx	Set x to transparent character.	CHG LOC
T	Convert time in field to decimal hours and move field.	DATE
T[(x)]	Include last x type line in result. Default = tab line.	S
U	Set update lock.	BF
U ¹	Resume scan beyond lines on display.	LOC
U[(x)]	Search within data unit; include unit in result. Default = tab line.	S
V	Process only equations whose result values are calculated from valid data.	CAL
W	Determine day of the week.	DATE
X	Exclude invalid values in minimum, maximum, summary, average operations or functions specified by vertical operators.	CAL
@	Find or search for blank characters (spaces).	BF F S
/	Find or search for slant as data.	BF F S
=x	Change column 1 to x.	TOT
*	Omit error flag (*) in subtotaling operations.	TOT
*	Flag invalid results with asterisk.	CAL

1. Not applicable in MAPPER runs.
2. Character set (option C) varies with function.
3. For manual functions CHANGE (CHG) and LOCATE (LOC), the M option is not applicable, although it does work on the corresponding CHG and LOC run statements.
4. For BF (Binary Find), only Rx-y is allowed.