

NORD SOFTWARE LIBRARY DISKETTE

CONTAINING : SUBSYSTEM PACKAGE II

DIRECTORY NAME : ND-10400A
USER NAME : FLOPPY-USER

FILE 0 : (ND-10400A:FLOPPY-USER)FMAC-1408C:BFUN#1
FILE 1 : (ND-10400A:FLOPPY-USER)MAC-1415C:BFUN#1
FILE 2 : (ND-10400A:FLOPPY-USER)QED-1644L:BFUN#1
FILE 3 : (ND-10400A:FLOPPY-USER)F32-MAC-1628C:BFUN#1
FILE 4 : (ND-10400A:FLOPPY-USER)F32-FMAC-1920B:BFUN#1
FILE 7 : (ND-10400A:FLOPPY-USER)NPL-1896D:BFUN#1

16 MARCH 1982



PROGRAM	NAME MACF	PROGRAM NUMBER MAC-1408 C	
REFERENCE	DATE April -78	NAME RJO	PROGRAM CATEGORY A
REVISED	DATE	NAME	REVISION LOG FOR PROGRAM ALL MAC ASSEMBLERS
EXPIRED	DATE	NAME	NEW PROGRAM NUMBER
COMPUTERS	<input type="checkbox"/> 1 <input type="checkbox"/> 2B <input type="checkbox"/> 5 <input checked="" type="checkbox"/> 10 <input type="checkbox"/> 12 <input type="checkbox"/> 20 <input type="checkbox"/> 50 <input type="checkbox"/> _____		
OPERATING SYSTEMS	<input type="checkbox"/> TSS <input checked="" type="checkbox"/> SIN III M <input type="checkbox"/> SIN III C <input type="checkbox"/> ALONE <input type="checkbox"/> _____		
TYPE	<input checked="" type="checkbox"/> BINARY <input type="checkbox"/> OCTAL <input type="checkbox"/> BRF <input type="checkbox"/> RB <input type="checkbox"/> _____		
DOCUMENTATION	<input type="checkbox"/> SYSTEM DESCRIPTION <input type="checkbox"/> USER DESCRIPTION <input checked="" type="checkbox"/> MANUAL		
	TITLE <u>MAC Users Guide</u>		
ADDRESS SPACE	SIZE Approx. 13 K + Table	BOUNDARIES 144600<177777	
	START ADDRESS 177777	RESTART ADDRESS 177775	
PURPOSE	Assembler for NORD-1ϕ		

LOADING/OPERATING PROCEDURE, USE

① PLACE T-R

① DUMP "MACF" ,177777,177775

or

① DUMP-REENTRANT, MACF, 177777, 177775, T-R



PROGRAM	NAME MAC	PROGRAM NUMBER MAC-1415 C						
REFERENCE	DATE April -78	NAME RJO	PROGRAM CATEGORY A					
REVISED	DATE	NAME	REVISION LOG FOR PROGRAM ALL MAC ASSEMBLERS					
EXPIRED	DATE	NAME	NEW PROGRAM NUMBER					
COMPUTERS	<input type="checkbox"/> 1	<input type="checkbox"/> 2B	<input type="checkbox"/> 5	<input checked="" type="checkbox"/> 10	<input type="checkbox"/> 12	<input type="checkbox"/> 20	<input type="checkbox"/> 50	<input type="checkbox"/> _____
OPERATING SYSTEMS	<input type="checkbox"/> TSS	<input checked="" type="checkbox"/> SIN III M	<input type="checkbox"/> SIN III C	<input type="checkbox"/> ALONE	<input type="checkbox"/> _____			
TYPE	<input checked="" type="checkbox"/> BINARY	<input type="checkbox"/> OCTAL	<input type="checkbox"/> BRJ	<input type="checkbox"/> RB	<input type="checkbox"/> _____			
DOCUMENTATION	<input type="checkbox"/> SYSTEM DESCRIPTION	<input type="checkbox"/> USER DESCRIPTION	<input checked="" type="checkbox"/> MANUAL					
	TITLE <u>MAC Users Guide</u>							
ADDRESS SPACE	SIZE Approx. 13 K + Tables	BOUNDARIES 145600<177777						
	START ADDRESS 177777	RESTART ADDRESS 177775						
PURPOSE	Assembler for NORD-1Ø							

LOADING/OPERATING PROCEDURE, USE

@PLACE T-R

@DUMP "MAC" , 177777, 177775

or

@ DUMP-REENTRANT, MAC, 177777. 177775. T-R

PROGRAM	NAME	PROGRAM NUMBER	
	QED	SUT-1644L	
		PART OF ND-NUMBER	
		10005Q,RS10044N,P,Q	
		10400A	
COMPUTERS	X 10 ! . 12 ! . 50 ! X 100 ! . 500 ! !		
INSTR.SET	. 48 BIT FL. ! . 32 BIT FL. ! . COMMERCIAL !		
OP.SYSTEM	X SIN III VS ! . SIN III RT ! . ALONE ! !		
PROG.TYPE	X BINARY ! . BR ! . SYMBOLIC ! !		
DOCUMEN- TATION	NUMBER: ND-60.031.04		
	TITLE: QED USERS MANUAL		
ADDRESS SPACE (BIN.PROG)	BOUNDRIES: 0<22777		
	START ADDRESS: 0	RESTART ADDRESS:	1
PURPOSE	CONVERSATIONAL EDITOR.		

LOADING/OPERATING PROCEDURE, USE

This program uses all the virtual memory except the program area as buffers (56K).

Example of dump:

DUMP-REENTRANT QED-1644L,0,1,QED-1644L:BPUN

PROGRAM	NAME	PROGRAM NUMBER
	QED	SUT-1644L
		PART OF ND-NUMBER
		10005 Q,R,S 10044N,P,Q
		10400A
ISSUED	DATE 80.08.14	BY (INITIALS) BR
REASON	X ERROR CORRECTION	. DIFFERENT ENVIRONMENT
	X CHANGE/ADDITION

CHANGES

Errors corrected :

1. Some errors when reading a specified interval of lines from a file is corrected.
2. An error when specifying 12 tabulator stops is corrected.

Changes made :

1. The edit character (CTRL)R which skip next "word" is changed to (CTRL)G. (CTRL)R now retypes the old and new line and awaits more edit characters (same as in command buffer editing under SINTRAN III).



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OBJECT DESCRIPTION

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PROGRAM	NAME MAC-32	PROGRAM NUMBER MAC-1628C	
REFERENCE	DATE April 78	NAME RJO	PROGRAM CATEGORY A
REVISED	DATE	NAME	REVISION LOG FOR PROGRAM ALL MAC ASSEMBLERS
EXPIRED	DATE	NAME	NEW PROGRAM NUMBER
COMPUTERS	<input type="checkbox"/> 1 <input type="checkbox"/> 2B <input type="checkbox"/> 6 <input checked="" type="checkbox"/> 10 <input type="checkbox"/> 12 <input type="checkbox"/> 20 <input type="checkbox"/> 50 <input type="checkbox"/> _____		
OPERATING SYSTEMS	<input type="checkbox"/> TSS <input checked="" type="checkbox"/> SIN III M <input type="checkbox"/> SIN III C <input type="checkbox"/> ALONE <input type="checkbox"/> _____		
TYPE	<input checked="" type="checkbox"/> BINARY <input type="checkbox"/> OCTAL <input type="checkbox"/> BRJ <input type="checkbox"/> RB <input type="checkbox"/> _____		
DOCUMENTATION	<input type="checkbox"/> SYSTEM DESCRIPTION <input type="checkbox"/> USER DESCRIPTION <input checked="" type="checkbox"/> MANUAL		
	TITLE <u>MAC User's Guide</u>		
ADDRESS SPACE	SIZE	BOUNDARIES 145600<177777	
	START ADDRESS 177777	RESTART ADDRESS 177775	
PURPOSE	Assembler for NORD-10		

LOADING/OPERATING PROCEDURE, USE

NB! This is a version for 32-bits floating point hardware!

@ PLACE T-R

@ DUMP "MAC-32", 177777, 177775

or

@ DUMP-REentrant, MAC-32, 177777, 177775, T-R



PROGRAM	NAME MACF-32	PROGRAM NUMBER MAC-1920 B
REFERENCE	DATE April -78 NAME RJO	PROGRAM CATEGORY A
REVISED	DATE NAME	REVISION LOG FOR PROGRAM ALL MAC ASSEMBLERS
EXPIRED	DATE NAME	NEW PROGRAM NUMBER
COMPUTERS	<input type="checkbox"/> 1 <input type="checkbox"/> 2B <input type="checkbox"/> 5 <input checked="" type="checkbox"/> 10 <input type="checkbox"/> 12 <input type="checkbox"/> 20 <input type="checkbox"/> 50 <input type="checkbox"/> _____	
OPERATING SYSTEMS	<input type="checkbox"/> TSS <input checked="" type="checkbox"/> SIN III M <input type="checkbox"/> SIN III C <input type="checkbox"/> ALONE <input type="checkbox"/> _____	
TYPE	<input checked="" type="checkbox"/> BINARY <input type="checkbox"/> OCTAL <input type="checkbox"/> BRJ <input type="checkbox"/> RB <input type="checkbox"/> _____	
DOCUMENTATION	<input type="checkbox"/> SYSTEM DESCRIPTION <input type="checkbox"/> USER DESCRIPTION <input checked="" type="checkbox"/> MANUAL TITLE <u>MAC User's Guide</u>	
ADDRESS SPACE	SIZE	BOUNDARIES 144600<177777
	START ADDRESS 177777	RESTART ADDRESS 177775
PURPOSE	Assembler for NORD-10	

LOADING/OPERATING PROCEDURE, USE

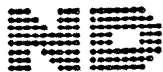
NB! This is a version for '32-bits floating point hardware!

ⓐ PLACE T-R

ⓐ DUMP "MACF-32",177777,177775

or

ⓐ DUMP-REentrant, MACF-32,177777,177775, T-R



PROGRAM DESCRIPTION

PROGRAM	NAME NORD-PL	PROGRAM NUMBER NPL-1896D
		PART OF 10005L,M,N,O,R,S 10400A ND NUMBER 10044K,I,M,N,P,Q
COMPUTERS	<input checked="" type="checkbox"/> 10 <input type="checkbox"/> 12 <input type="checkbox"/> 50 <input checked="" type="checkbox"/> 100 <input type="checkbox"/> 500 <input type="checkbox"/> _____ <input type="checkbox"/> _____	
INSTRUCTION SET	<input type="checkbox"/> 48 BIT FL. <input type="checkbox"/> 32 BIT FL. <input type="checkbox"/> COMMERCIAL <input type="checkbox"/> _____	
OPERATING SYSTEMS	<input checked="" type="checkbox"/> SIN III VS <input type="checkbox"/> SIN III RT <input type="checkbox"/> ALONE <input type="checkbox"/> _____	
PROGRAM TYPE	<input checked="" type="checkbox"/> BINARY <input type="checkbox"/> BRJ <input type="checkbox"/> SYMBOLIC <input type="checkbox"/> _____	
DOCUMENTATION	NUMBER _____ TITLE NORD-PL Users Guide	
ADDRESS SPACE (For Binary Programs)	BOUNDARIES 0 < 74215	
	START ADDRESS 0	RESTART ADDRESS 1
PURPOSE	Compiles NORD-PL-programs into MAC-assembly code.	

LOADING/OPERATING PROCEDURE, USE

Non-reentrant load :

```
@PLACE <input file>
@DUMP "NPL-1896D",0,1
```

Reentrant load :

```
@DUMP-REENTRANT NPL,0,1, <input file>
```




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REVISION LOG

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PROGRAM	NAME NORD-PL	PROGRAM NUMBER	NPL-1896D
		PART OF NO NUMBER	10005L,M,N,Q,R,S 10400A 10044K,L,M,N,P,Q
ISSUED	DATE 79.11.22	BY (INITIALS) KØ	
REASON	<input checked="" type="checkbox"/> ERROR CORRECTION <input type="checkbox"/> DIFFERENT ENVIRONMENT <input type="checkbox"/> CHANGE/ADDITION		

CHANGES

- The statement -
IF A NBIT <symbol> GO <integer pointer>;
does now generate correct code.
- The incorrect statements -
A BZERO; and A BONE;
does now generate an error message.
- If a MAC system symbol is used as subroutine entrypoint,
a warning will be given by the NORD-PL compiler about the
symbol change.
- The error recovery after a source line > 128 characters
is improved.
- The error recovery after an error in the @DEV command
is improved.
- The statements
SYMBOL XY=1
...
A:=D+XY
does now generate correct code.