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ND SOFTWARE LIBRARY DISKETTE

PAGE 1

Containing :
SUBSUSTEM PACKAGE II

Directory Name :
210400B00-XX-01S

User Name : FLOPPY-USER

No	File name	Type	T	Public	Friend	Own	Pages	Bytes
0	FMAC-1408D	BPUN	I	R	RWA	RWACD	16	28844
1	MAC-1415C	BPUN	I	R	RWA	RWACD	15	28389
2	QED-1644L	BPUN	I	R	RWA	RWACD	10	17520
3	F32-MAC-1628C	BPUN	I	RWACD	RWACD	RWACD	16	29001
4	F32-FMAC-1920C	BPUN	I	R	RWA	RWACD	16	28844
5	DITAP-1880D	BPUN	I	R	RWA	RWACD	2	1974
6	NPL-1896D	BPUN	I	R	RWA	RWACD	32	62288

7 files using 107 pages. 148 pages reserved out of 148 pages.

ND SOFTWARE LIBRARY DISKETTE

Containing :
SUBSYSTEM PACKAGE II

Directory Name :
210400B00-XX-01D

User Name : FLOPPY-USER

No	File name	Type T	Public	Friend	Own	Pages	Bytes
0	FMAC-1408D	BPUN I	R	RWA	RWACD	16	28844
1	MAC-1415C	BPUN I	R	RWA	RWACD	15	28389
2	QED-1644L	BPUN I	R	RWA	RWACD	10	17520
3	F32-MAC-1628C	BPUN I	RWACD	RWACD	RWACD	16	29001
4	F32-FMAC-1920C	BPUN I	R	RWA	RWACD	16	28844
5	DITAP-1880D	BPUN I	R	RWA	RWACD	2	1974
6	NPL-1896D	BPUN I	R	RWA	RWACD	32	62288

7 files using 107 pages. 148 pages reserved out of 610 pages.

Date 87.05.20

Norsk Data A.S
PROGRAM DESCRIPTION

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Product	Name	Reg. no.	Category
	SUBSYSTEM PACKAGE II	210400B	STIN

Reason	<ul style="list-style-type: none"> . New product . Change/Addition . Other: 	<ul style="list-style-type: none"> . Error Correction X Different Environment
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Documen- tation	Title MAC Users Guide SINTRAN III Utilities Manual QED User's Manual NORD PL User's Guide	Reg. no. 60.096.01 EN 60.151.2A EN 60.031.4C EN 60.047.3A EN
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Purpose	Basic Utilities for SINTRAN III
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Prerequi- sites	Computer Type Floating format Op. system Version ND-100 Any All SIN III >= H
	Minimum mass storage resources for installation User User space Number of files <any> 107 pages on 7 files
	Minimum permanent mass storage resources User User space Number of files <any> 107 pages on 7 files

Product consists of	MODULE-no. Name	Reg. no. Source
	SUT-1880D DITAP	
	MAC-1920C FMAC 32 bit floating-point	210120B
	MAC-1408D FMAC 48 bit floating-point	210120B
	MAC-1628C MAC 32 bit floating-point	210120B
	MAC-1415C MAC 48 bit floating-point	210120B
	NPL-1896D NORD-PL	
	SUT-1644L QED	

File Name	Type	Containing
DITAP-1880D	BPUN	Ditap
F32-FMAC-1920C	BPUN	FMAC 32 BIT
F32-MAC-1628C	BPUN	MAC 32 BIT
FMAC-1415C	BPUN	FMAC 48 BIT
MAC-1415C	BPUN	MAC 48 BIT
NPL-1896D	BPUN	NORD-PL Language
QED-1644L	BPUN	QED, Quick editor

T A B L E O F C O N T E N T S

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1 ERRORS CORRECTED

1.1 QED

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

2 MODIFICATIONS

2.1 CHANGES

2.1.1 MAC and FMAC

The only change is:
listing of "empty" library marks is removed.

An empty library mark is a library mark or an expression of library marks that has the value FALSE, thereby skipping the code behind it up to next " .

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2.2 CHANGED COMMANDS

2.3 NORD-PL

- 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 NIRD-PL compiler about the symbol change.
- The error recovery after a source line > 128 characters is improved.
- The statements-
SYMBOL XY=1
...
A:=D+XY
does now generate correct code.

2.4 QED

- 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 in SINTRAN III).

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3 INSTALLATION PROCEDURE

Delete the old :PROG and :BPUN versions of the products.

Use the BACKUP-SYSTEM to copy all the files to the user where the BPUN-files are kept. Standard user is user BPUN-FILES.

The BPUN files on the diskette may be dumped as :PROG files or dumped REENTRANT. The next sections will describe how this is done.

3.1 How to dump programs reentrant

Login as user SYSTEM and dump the files reentrant with following parameters:

Name:	Start,	Restart	adr:	File name:
1880D 70	70			(BPUN-FILES)DITAP-1880D
F32-FMAC-1920C	-1	-3		(BPUN-FILES)F32-FMAC-1920C
MAC-32-1626C	-1	-3		(BPUN-FILES)F32-MAC-1628C
FMAC-1408D	-1	-3		(BPUN-FILES)FMAC-1408D
MAC-1415C	-1	-3		(BPUN-FILES)MAC-1415C
NPL	0	1		(BPUN-FILES)NPL-1896D
QED	0	1		(BPUN-FILES)QED-1644L

Example:

```

@DUMP-REENTRANT↓
NAME: QED↓
START ADDRESS: 0↓
RESTART ADDRESS: 1↓
FILE NAME: (BPUN-FILES)QED-1644L↓

```

3.2 How to dump programs as :PROG files

Login as user SYSTEM or user where :PROG files should be dumped and dump with same parameters as in section 3.1

Example:

```

@PLACE-BINARY, (BPUN-FILES)QED-1644L↓
@DUMP↓
FILE NAME: "QED"↓
START ADDRESS: 0↓
RESTART ADDRESS: 1↓

```

