

NORD SOFTWARE LIBRARY DISKETTE

Containing : NOTIS-WP for ND-100

Directory Name : 10079M05-XX-1D

User Name : FLOPPY-USER

Num	File name	Type	T	File access:			Pages	Bytes
				Public	Friend	Own		
0	WP-PRINTERS-L02	SYMB	I	RWACD	RWACD	RWACD	4	5217
1	DDBTABLES-E02	VTM	I	RWACD	RWACD	RWACD	8	13628
2	WP-EDITOR-M05	PROG	I	R	RWACD	RWACD	67	135168
3	WP-UTIL-M05	PROG	I	R	RWACD	RWACD	54	135168
4	WP-CMD-M05	PROG	I	R	RWACD	RWACD	68	137216
5	WP-PRM-M05	PROG	I	R	RWACD	RWACD	72	145408
6	TF-LIB-COMPRESS	PROG	I	RWACD	RWACD	RWACD	14	26624
7	INST-WP-100-M02	PROG	I	RWACD	RWACD	RWACD	66	195078
8	WP-SETUP-M02	XCOM	I	RWACD	RWACD	RWACD	14	26127

=====
9 files using 367 pages. 610 pages reserved out of 610 pages
=====

NORD SOFTWARE LIBRARY DISKETTE

PAGE 1

Containing : NOTIS-WP for ND-100

Directory Name : 10079M05-EN-1D

User Name : FLOPPY-USER

Num	File name	Type	T	File access:			Pages	Bytes
				Public	Friend	Own		
0	WP-MAIN-EN-M05	PROG	I	R	RWACD	RWACD	59	202752
1	NOTIS-TF-EN-M05	PROG	I	R	RWACD	RWACD	100	202752
2	NEW-FEAT-WP-EN-M	STXT	I	RWACD	RWACD	RWACD	9	17408
3	NEW-FEAT-WP-EN-M	TEXT	I	RWACD	RWACD	RWACD	3	2061
4	NEW-FEAT-WP-EN-M	UDK	I	RWACD	RWACD	RWACD	14	26624
5	NOTIS-WP-EN-M02	HELP	I	RWACD	RWACD	RWACD	210	427008
6	NOTIS-WP-EN-M02	INIT	I	RWACD	RWACD	RWACD	2	698
7	NOTIS-WP-EN-M02	ERR	I	RWACD	RWACD	RWACD	28	55040
8	TAB-HY-EN-J1	HBRF	I	RWACD	RWACD	RWACD	17	32651
9	NOTIS-TF-EN-M02	LIB	I	R	RWA	RWACD	35	68958
10	LANGUAGE-DEP-EN	LDEP	I	RWACD	RWACD	RWACD	2	344

=====
 11 files using 479 pages. 600 pages reserved out of 610 pages
 =====

NORD SOFTWARE LIBRARY DISKETTE

Containing : NOTIS-WP for ND-100

Directory Name : 10079M05-NO-1D

User Name : FLOPPY-USER

Num	File name	Type	T	File access:			Pages	Bytes
				Public	Friend	Own		
0	WP-MAIN-NO-M05	PROG	I	RWACD	RWACD	RWACD	51	202752
1	NOTIS-TF-NO-M05	PROG	I	RWACD	RWACD	RWACD	130	264192
2	NYE-FUNK-WP-NO-M	TEXT	I	RWACD	RWACD	RWACD	3	2055
3	NYE-FUNK-WP-NO-M	STXT	I	RWACD	RWACD	RWACD	6	9216
4	NYE-FUNK-WP-NO-M	BDT	I	RWACD	RWACD	RWACD	12	22528
5	NOTIS-WP-NO-M05	HELP	I	RWACD	RWACD	RWACD	199	405504
6	NOTIS-WP-NO-M02	ERR	I	RWACD	RWACD	RWACD	30	58368
7	LANGUAGE-DEP-NO	LDEP	I	RWACD	RWACD	RWACD	2	346
8	NOTIS-TF-NO-M02	LIB	I	RWACD	RWACD	RWACD	35	69132
9	TAB-HY-NO-J1	HBRF	I	RWACD	RWACD	RWACD	17	32651
10	NOTIS-WP-NO-M02	INIT	I	RWACD	RWACD	RWACD	2	698

=====
 11 files using 487 pages. 610 pages reserved out of 610 pages
 =====

Date: 860303

NOTIS-WP for ND-100
10079M
Report no: 3

Program:
Subject: Changes in revision M05

Reasons for revision:

- 1) New printer type: CANON LBP8
- 2) All reported errors are corrected except:
 - Changing the horizontal pitch may cause a ragged left margin.
 - Changing the vertical pitch may cause the trailer to be placed too low.
 - Several PG in the beginning of a document produces one page less than the directives given.
 - Page list "9:10" behaves ok, but "9,10" prints the pages contiguously.
 - Underlining of significant spaces is not displayed in Inspect.
 - Underline off followed by underline on causes the next character to disappear in Inspect.

Date: 860314

NOTIS-WP for ND-100
10079M
Report no: 4

Program:

Subject: Modification of NOTIS WP.

In the installation job you can choose either installation or modification. As a result of an error in the ND-100 version of NOTIS WP revision M05, a modification will not work if you use the installation job.

If you want to make modifications to your NOTIS WP there are two alternatives.

- A) If you have initialized WP to read the INIT file at startup, you should only change the INIT file. The M version of the INIT file contains nearly all internal parameters that can be changed (the table of contents for the INIT file is listed below).
- B) If your WP does not read the INIT file at startup, you may change the initial startup values by performing the following actions:
1. Start WP from the user holding the program files.
 2. Change the values, eg EXPAND MODE, ALTERNATIVE DELETE MODE etc.
 3. Perform the home command '&'. Since WP shall not read the INIT file, answer 'N' to the question 'Read :INIT file at startup'.
 4. The WP will exit and return to SINTRAN. You must then perform the SINTRAN command:

DUMP WP-MAIN-xx-M 0 1

Date: 860314

NOTIS-WP for ND-100

10079M

Report no: 4

The 'xx' is the two-letter language abbreviation for NOTIS WP.

5. Finally you must reload WP by running the WP-100-DUMP-M:MODE file from user SYSTEM.

=====
The following items are part of the NOTIS WP INIT file version M.

Alternative delete flag	Page header
Append mode	Page length
Bold sections	Page width
Bottom border	Paragraph footing
Cancel after delete	Paragraph indentation
Case significance	Paragraph key indentation
Character font number	Paragraph key line spacing
Command menu mode	Paragraph spacing
Decimal point character	Right border
Decimal tabulators	Right margin for TF
Default printer	Scroll on down arrow
Default ruler	Section Footing
Directive end	Section Indentation
Directive start	Section Spacing
Document language	Show position
Duplex Printing	Standard text library
Exit command	Start-up UDK
Expand mode on	Storage format
Filling mode during editing	Strip trailing spaces
Filling mode for TF	Tabulator spacefill
Group divider	Tabulators
Horizontal pitch	TF library name
Horizontal step in %	Top border
Hyphenation mode	UDK library name
Input bin number	UDK set name
Justification mode during editing	Underline as character
Justification mode for TF	Underline character
Justify on CR	Underline mode
Justify on new ruler	Underline space
Justify on word wrap	Updates before save
Left border	Use Document Storage
Left margin for TF	Vertical pitch
Line spacing	Vertical step in %
Number of decimals	Wordwrap
Output bin number	

NOTIS-WP for ND-100
10079M
Report no: 5

Date: 860314

Program: Printer Manager
Subject: Error message 'FATAL ERROR IN PRM, CONTACT NO'.

The error message FATAL ERROR xxxxx IN ROUTINE PRM (the 'xxxxx' is an error code), will sometimes occur during print of a document. This is a message which will be given in one of the situations listed below:

- A. When you print from user SYSTEM and the spooling files do not have APPEND access.
Cure: Set file access on spooling files to WA (write, append), and try again.
- B. When you print to a remote printer and the communication to the remote printer is broken during printing.
Cure: Check the communication.
- C. When there are no more spooling pages left.
Cure: Give spooling more pages. Check that the printer has not stopped.

NOTIS-WP for NO-100 10079M

Revision M05 is delivered on the following diskettes:

ENGLISH LANGUAGE VERSION

single density diskettes

10079M03-XX-1S 10079M05-XX-2S 10079M05-XX-3S
10079M05-EN-1S 10079M05-EN-2S 10079M05-EN-3S
10079M05-EN-4S

double density diskettes

10079M05-XX-1D 10079M05-EN-1D

NORWEGIAN LANGUAGE VERSION

single density diskettes

10079M03-XX-1S 10079M05-XX-2S 10079M05-XX-3S
10079M05-NO-1S 10079M05-NO-2S 10079M05-NO-3S
10079M05-NO-4S

double density diskettes

10079M05-XX-1D 10079M05-NO-1D

The following manuals are delayed, but will be sent you as soon as we have them at hand:

- | | |
|---------------------------|----------------|
| NOTIS-WP User Guide | ND.63.018.2 EN |
| NOTIS-WP Brukerveiledning | ND.63.018.2 NO |
| NOTIS-TF User Guide | ND.63.023.1 EN |
| NOTIS-TF Brukerveiledning | ND.63.023.1 NO |

Product	Name NOTIS-WP for ND-100	Reg. no. 10079M	Category STPR
Reason	X Change/Addition		X Error Correction
Documen- tation	Title	Reg. no.	
	NOTIS-WP-M, New Features	ND-63.036.1	EN
	NOTIS-WP-M, Nye funksjoner	ND-63.036.1	NO
	NOTIS-WP-M, Nye funksjoner	ND-63.036.1	DA
	NOTIS-TF-M, New Features	ND-63.041.1	EN
	NOTIS-TF-M, Nye funksjoner	ND-63.041.1	NO
	NOTIS-WP-M Release Information	ND-63.042.1	EN
	NOTIS-WP-M Innføring for Nye Brukere	ND-63.042.1	NO
	NOTIS-TF Macro Guide	ND-63.009.1	EN
	NOTIS-TF Makro Veiledning	ND-63.010.1	NO
	NOTIS-WP M in 5 Min. Ref. Card	ND-99.035.1	EN
	NOTIS-WP M på 5 Min. Oppslagsk.	ND-99.035.1	NO
Not yet available	NOTIS-TF Brukerveiledning	ND-63.023.1	NO
	NOTIS-TF User Guide	ND-63.023.1	EN
	NOTIS-WP Håndbok	ND-63.004.3	NO
	NOTIS-WP User Guide	ND-63.018.2	EN
	NOTIS-WP Brukerveiledning	ND-63.018.2	NO
	NOTIS-WP Reference Card	ND-99.006.2	EN
	NOTIS-WP Oppslagskort	ND-99.006.2	NO
	NOTIS-WP Reference Card FACIT	ND-99.008.2	EN
	NOTIS-WP Oppslagskort FACIT	ND-99.008.2	NO
	NOTIS-TF Reference Card	ND-99.031.1	EN
	NOTIS-TF Oppslagskort	ND-99.031.1	NO
Purpose	General-purpose word processing system.		
Prerequi- sites	Computer Type	Floating format	Op. system Version
	ND-100		SIN III >= I
	Minimum mass storage resources for installation		
	User	Userspace	Number of files
	SYSTEM	159 pages on	12 files
	NOTIS user	340 pages on	9 files
	program user		
	(def. BPUN-FILES)	459 pages on	7 files
	Minimum permanent mass storage resources		
	User	Userspace	Number of files
	SYSTEM	12 pages on	2 files
	NOTIS user	340 pages on	9 files
	program user	459 pages on	7 files
	For each additional language:		
	NOTIS user	322 pages on	8 files
	program user	176 pages on	2 files

Product	Name	Reg. no.	Category
	NOTIS-WP for ND-100	10079M	STPR
Number of segments: 6 plus two segments for each additional language. Space requirements on segment files are 519 pages plus 237 pages for each additional language.			
Product consists of		Reg. no. for Source 10143M	
Directory Name: 10079M02-XX-1S User Name: FLOPPY-USER			
File no.	File Name	Type T	Pg. Bytes Containing
204154M	INST-WP-100-M02	PROG I	65 192316 Installation program
206984A	WP-SETUP-M02	XCOM I	12 21267 Installation subroutines
203634L	WP-PRINTERS-L01	SYMB I	5 4731 Printer descriptions
205489A	DDBTABLES-E02	VTM I	8 13628 Terminal descriptions
206985A	TF-LIB-COMPRESS	PROG I	14 26624 Macro lib. compression
Directory Name: 10079M02-XX-2S User Name: FLOPPY-USER			
File no.	File Name	Type T	Pg. Bytes Containing
203682M	WP-EDITOR-M02	PROG I	67 135168 WP edit segment
207002M	WP-UTIL-M02	PROG I	67 135168 WP utility segment
Directory Name: 10079M02-XX-3S User Name: FLOPPY-USER			
File no.	File Name	Type T	Pg. Bytes Containing
207001M	WP-CMD-M02	PROG I	67 137216 WP command segment
207003M	WP-PRM-M02	PROG I	51 143360 WP print segment
Directory Name: 10079M02-XX-1S User Name: FLOPPY-USER			
File no.	File Name	Type T	Pg. Bytes Containing
203630M	WP-MAIN-EN-M02	PROG I	51 201216 WP start-up segment
203631M	WP-MAIN-NO-M02	PROG I	51 201216 WP start-up segment
206986A	NEW-FEAT-WP-EN-M	STXT I	9 17408 Demo file
206987A	NEW-FEAT-WP-EN-M	UDK I	14 26624 Demo file
206988A	NEW-FEAT-WP-EN-M	TEXT I	3 2061 Demo file
206989A	NYE-FUNK-WP-NO-M	STXT I	9 9216 Demo file
206990A	NYE-FUNK-WP-NO-M	BDT I	18 22528 Demo file
206991A	NYE-FUNK-WP-NO-M	TEXT I	3 2055 Demo file
206992A	LANGUAGE-DEP-EN	LDEP I	2 344 Language-dependent names
206993A	LANGUAGE-DEP-NO	LDEP I	2 346 Language-dependent names
Directory Name: 10079M02-XX-2S User Name: FLOPPY-USER			
File no.	File Name	Type T	Pg. Bytes Containing
207004M	NOTIS-TF-EN-M01	PROG I	125 264192 Text formatter program
207005M	NOTIS-TF-NO-M01	PROG I	125 264192 Text formatter program

Product	Name	Reg. no.	Category
	NOTIS-WP for ND-100	10079M	STPR
Directory Name: 10079M02-XX-35 User Name: FLOPPY-USER			
File no.	File Name	Type T	Pg. Bytes Containing
203636M	NOTIS-WP-EN-M01	HELP I	147 299008 HELP texts (Part 1)
203632M	NOTIS-WP-NO-M00	HELP I	147 299008 HELP texts (Part 1)
Directory Name: 10079M02-XX-45 User Name: FLOPPY-USER			
File no.	File Name	Type T	Pg. Bytes Containing
203636M	NOTIS-WP-EN-M01	HELP I	62 424960 HELP texts (Part 2)
203632M	NOTIS-WP-NO-M00	HELP I	53 405504 HELP texts (Part 2)
203635M	NOTIS-WP-EN-M01	INIT I	2 698 Default values
203641M	NOTIS-WP-NO-M01	INIT I	2 698 Default values
204155M	NOTIS-WP-EN-M00	ERR I	28 54784 Error messages
204151M	NOTIS-WP-NO-M00	ERR I	30 58368 Error messages
206994A	TAB-HY-EN-J1	HBRF I	17 32651 Hyphenation tables
206995A	TAB-HY-NO-J1	HBRF I	17 32651 Hyphenation tables
203639M	NOTIS-TF-EN-M01	LIB I	35 63846 Macro library
203645M	NOTIS-TF-NO-M01	LIB I	35 63206 Macro library

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

<u>Section</u>	<u>Page</u>
1 ERRORS CORRECTED	4
1.1 Errors corrected in EDITOR	4
1.2 Errors corrected in PRINT	4
1.3 Errors corrected in INSPECT	5
1.4 Errors corrected in TEXT FORMATTER	5
2 KNOWN, BUT NOT CORRECTED ERRORS	7
2.1 EDITOR	7
2.2 PRINT	8
2.3 INSPECT	9
2.4 TEXT FORMATTER	9
3 CHANGED PREREQUISITES	10
3.1 SINTRAN requirements	10
3.2 Memory requirements	10
4 MODIFICATIONS	10
4.1 New features in EDITOR	10
4.2 New printers	12
4.3 New directives in PRINT	12
4.4 Changes to INSPECT	13

Section	Page
4.5 Changes to the TEXT FORMATTER	14
4.5.1 New functions	14
4.5.2 Directives Removed	14
4.5.3 Directives replaced by standard macros	14
4.5.4 Renamed directives	15
4.5.5 New directives	15
4.5.6 Other TEXT FORMATTER changes	16
4.6 Library compression program	19
4.7 Hyphenation tables	20
4.8 Terminal descriptions - DOBTABLES	20
4.9 The INIT-file	20
5 INSTALLATION PROCEDURE	20
5.1 Starting the installation	20
5.2 Default values used by the installation job	21

Product	Name	Reg. no.	Category
	NOTIS-WP for ND-100	10079M	STPR

1 ERRORS CORRECTED

1.1 Errors corrected in EDITOR

- When using Tab. spacefill on with "Expand" on, tab on last line failed when line was filled.
- Using the F4 key to sum a large area with a lot of numbers sometimes failed with a (random) error message.
- If the result of an F4 calculation was put outside the window containing the marked area, the result was not visible (a manual refresh had to be done).
- Discrete hyphen on a space gives odd results when justifying. It is not possible to set discrete hyphen on spaces in the M version.
- A region could be deleted even when the content was modified.
- When the 'automatic UPPERCASE' option was on the conversion from lowercase to UPPERCASE was not shown until a refresh had been done.
- The store command now only looks for the document under current user (same as Fetch command).
- When a paragraph was marked, it was possible to create a new line inside the paragraph by pressing F2 or CTRL + L.
- Underline off should work as a HOME command (underline on works). Corrected - use aaa to set underline mode and SHIFT + aaa to reset it (when no marked area).
- The printer name in menu 4 is now stored with the document. Many other menu parameters are also stored with the document or in the INIT file.
- The refresh screen commands (space and FUNC @) moved the window to column 1 if the window was outside column 1-80.

1.2 Errors corrected in PRINT

- The default BIN in WP-PRINTERS did not work from WP because WP always set the BIN itself. Now there is a menu 4 parameter where the initial BIN may be set.

Date 86.03.14		Norsk Data A.S PROGRAM DESCRIPTION		Page 5 of 21
Product	Name NOTIS-WP for ND-100	Reg. no. 10079M	Category STPR	

- A blank line was inserted whenever the vertical pitch was changed from a high to a low value, or vice versa.
- With PL=66, TB=4 and BB=2, direct output from WP had a top border of 5 lines and not 4 with the standard VP=6, and only 59 lines in the page body.

1.3 Errors corrected in INSPECT

- Inspect document X, return to EDITOR, delete main document entry in menu 1 and try to inspect document Y: WP would still inspect document X.
- When formatting a document with page width greater than 300 INSPECT crashed. Maximum page width is now 255.
- Sometimes graphic characters were displayed as mathematical characters in INSPECT.
- A line containing only mathematical characters and exceeding column 60 made INSPECT behave very strangely.

1.4 Errors corrected in TEXT FORMATTER

- If the ^NP; directive was used outside ^SIP; - ^EIP;, the line number in the error message was wrong.
- Formatting large documents with indexing sometimes failed. This has been corrected, or the message "Capacity exceeded" is issued.
- When TF gave the error message "FATAL error, cannot continue", and the user wanted to return to WP, the user sometimes ended up in menu 1.
- Sometimes when the underline character had been redefined, underlined text was printed without underline and with the underline character before and after the text.
- ^PG; between ^RO; and ^SO; directives gave an error message "PRIVILEGED INSTRUCTION."
- When printing index with words containing french accent characters, the sorting of these words was incorrect: they appeared at the end of the index list.

Product	Name	Reg. no.	Category
	NOTIS-WP for ND-100	10079M	STPR

- Page headers etc. may now use a special font provided the `^FONT;` directive is put in the parameter text. The selected font will remain effective for the header/trailer until explicitly changed. This also applies to `^CHEAD;`, `^XHEAD;` and the contents list. All parameters saved with NF/OF are stored.
- If a minus was given in front of a number (e.g. from -100 to +100), TF sometimes used the minus as a hyphenation point.
- The `^FIG-CP;` macro did not always work as described.
- The trailer was not printed on the last page of a document.
- The `^RR;` directive did not work properly.
- If you have a document consisting of some free text followed by chapters separated with the `^CHPG;` macro (or `^CHPG-ODD;` or `^CHAPTER;`), the first chapter did not start on a separate page.
- Blank lines immediately following a `^VP;` directive were printed using the new pitch. `^VP;` at the very top of the document is honored.
- Several errors in handling of underlined text have been corrected.
- A hyphen within an `^AW;` is no longer a possible hyphenation point. A hyphen following a space is no longer a possible hyphenation point.
- The directives `^MK;`, `^CM;`, `^FIX;` and `^NREDEF;` now release all scratch space after use.
- Record files are read one record at a time when using the `^RR;` directive.
- Formatting an empty file no longer causes a TF crash.
- The name of the `:OUT` file must match the name of the main input file exactly.
- Directive start (`^DS;`) followed by line feed (end of line), by supershift-space or by justification space is treated as directive "start - space."
- A "directive start - space" sequence will never be interpreted as a directive start, even if the string is evaluated repeatedly.
- A `^FONT;` or `^X;` directive on a separate line or with both a preceding and a following space no longer causes contraction of the preceding word and the following one.

Product	Name	Reg. no.	Category
	NOTIS-WP for ND-100	10079M	STPR

- When a currently active macro is cleared or killed, execution of this macro is properly terminated.
- The `^$LEN;` directive now counts characters in alternative character sets as one character rather than as two.
- Characters in alternative sets displayed with the `^OP;` or `^MS;` directives are printed as `'&'` rather than as "garbage".
- When updating an integer macro, a leading minus sign will negate the first term rather than negating the remaining expression.
- Directive execution, underlining and interpretation of line breaks according to filling mode are done in full, even when reading (unquoted) parameters of a macro/directive call.
- TF now properly detects when all available space is consumed.
- Blanks at the end of a macro body are not ignored.
- Blanks before directive start are ignored even when preceded by a blank line.
- If two words are separated by insignificant blanks only, TF will remove all but one.
- Nested IF-calls (another IF in the condition part) will no longer cause strange errors.
- Alphabetic formatting of numbers larger than 676 is correct.
- Footnotes will no longer appear in the table of contents.

2 KNOWN, BUT NOT CORRECTED ERRORS

2.1 EDITOR

- Text to the left of left border may be deleted or destroyed when copying or deleting is done in the left note margin.
- If the paragraph indentation after justification causes only ONE character to remain on the first line and the word must be hyphenated manually, the word is not displayed correctly in the home position.

Product	Name	Reg. no.	Category
	NOTIS-WP for ND-100	10079M	STPR

- When hyphenating a word as close to the end as possible, and the whole line is underlined, the hyphenation character disappears.
- When justifying from a wide wordwrap field to a narrow wordwrap field, with text in the right note margin, the note margin text is not placed correctly and there will be too many blank lines.
- The status line (at the bottom of the screen) is one position too short.
- Conversion of file names containing Å, Ø or Å does not give the error message "Illegal character..."
- When no Group divider is given in the Editing menu (3), this is indicated by an "&" character rather than by the text "None".
- No HELP is available on the parameters of the home commands C and J and the menu command NOTIS/TF. The commands start executing instead.
- The number of bytes displayed when fetching or storing documents in S format is not correct.
- Only the currently executing UDK may be aborted by HOME or CANCEL. If nested UDKs are active, execution will continue with the UDK calling the aborted one.
- Observe (NOT an error): When the ^CO; directive is used, PRINT will report more pages in the document than the page check command, due to the contents pages.

2.2 PRINT

- PRINT behaves incorrectly with ^HP; (Horizontal Pitch) and/or ^VP; (Vertical Pitch) at the start of the document (hint: set the initial values in the Print menu (4) instead).
- If ^SD; is used before ^CH; and ^CO;, there will be garbage in the contents list.
- Several ^PG; directives at the beginning of a document produce one page less than the directives given.
- Page list "9:10" behaves correctly, but "9,10" prints the pages contiguously (no page break).

Date 86.03.14		Norsk Data A.S PROGRAM DESCRIPTION		Page 9 of 21
Product	Name NOTIS-WP for ND-100	Reg. no. 10079M	Category STPR	

- Boxes printed with ^VP; equal to 2, 3 or 7 will have breaks in the vertical lines.
- If ^HU; or ^HD; with overprint is used together with MARK, the "marktext" text to the right will be printed in a wrong position.
- The ^IN-BG; directive must be followed by text to work properly.

2.3 INSPECT

- Underlining of significant spaces is not displayed.
- Underline off followed by underline on causes the next character to disappear.
- ^TB; greater than the screen height causes INSPECT to behave strangely.

2.4 TEXT FORMATTER

- In the index list, there is no distinction between accented and unaccented characters
- Automatic indexing will not index terms containing spaces.
- Macro calls immediately following ^LIB-CONT; directives will be executed.
- If a macro explicitly sets the values of ^DS;, ^DE;, ^UC;, ^SQUOTE;, ^MSQUOTE; or ^MEQUOTE; to the current ones, it has no global effect. If the values are actually modified, it does have global effect.
- ^DS;, ^DE;, ^UC;, ^SQUOTE;, ^MSQUOTE; and ^MEQUOTE; must be within the basic character set (standard ASCII characters) or VTM character set 1 (Greek, semigraphic).
- Text in the ^MS; directive and the ^OP; prompt cannot contain characters in alternative sets.
- If the first character in a parameter to the ^MS; directive is LF when ^FM=C;, the first line is indented by one column on the screen.
- A file containing ^LIB-CONT; directives may not be in S format.

Product	Name	Reg. no.	Category
	NOTIS-WP for ND-100	10079M	STPR

- The library file which is implicitly included must contain at least one `^LIB-CONT;` directive, followed by at least one other directive.
- If nothing but the end of the current line follows an `^IN;` directive, the default values for system, directory and user name are not taken from the file containing the `^IN;` directive but from the file including this file.
- If a boldprinted area extends across a `^CH;`, `^SE;`, `^SD;` or `^SU;` directive, the first line of the new chapter is not boldprinted.
- If the last directive executed on a page is `^OF;`, the trailer will be printed using this format.

3 CHANGED PREREQUISITES

3.1 SINTRAN requirements

- SINTRAN III version I or newer is required.

3.2 Memory requirements

1 - 5 users: 250 Kb + (50-80) x N Kb
6 - 15 users: 300 Kb + (50-80) x N Kb
> 16 users: 350 Kb + (50-80) x N Kb

If the text formatter is used, add 100 Kb to the fixed part.

4 MODIFICATIONS

4.1 New features in EDITOR

For complete information about the command changes, see the manual NOTIS-WP-M, New Features.

Product	Name	Reg. no.	Category
	NOTIS-WP for ND-100	10079M	STPR

- Optional new command menus replace HOME commands for those who prefer a menu-oriented system.
- A new HELP system gives HELP depending on the current situation, or HELP on function keys or keywords.
- Page break control and page navigation.
- Multiple rulers throughout the document.
- Lines now have three fields: the left and right note margins and the wordwrap field.
- New storage format (the ND Standard format). This uses less disk space than the old 16-bit format. WP-M still handles the 7-bit and 16-bit formats.
- Standard texts may be stored in a library and fetched by name.
- Temporary texts may be saved and recalled in the same way as Standard texts, except that they are not stored permanently.
- User Definable Keys (UDKs) may be defined. The 14 keys on the numeric keypad may be programmed with text and functions. An additional 46 UDKs may be defined and used as subroutines. Each UDK may hold up to 1000 keystrokes. UDKs may call other UDKs, or themselves.
- Automatic, semi-automatic and manual hyphenation is available.
- NOTIS-DS and NOTIS-ID may be used directly from WP (provided that they are installed on the system).
- WP may be set to work with DS documents as default, instead of SINTRAN files.
- The FIELD key now only marks the current field, while SHIFT + FIELD marks the whole line.
- The mark functions have been changed. Pressing the FIELD, SHIFT + FIELD, PARA, SENT or WORD keys repeatedly extends the marked area (adds a new mark object to the marked area). MARK and SHIFT + MARK may be used to increase or reduce the size of the marked area.
- The menus 1-4 have been reorganized, and a fifth menu has been added.
- The information shown on the status line has been reorganized.

Product	Name NOTIS-WP for ND-100	Reg. no. 10079M	Category STPR
---------	-----------------------------	--------------------	------------------

- Automatic display of the current position (verify mode) is changed. An arrow in the tabulator line now indicates the cursor position.
- Output from the Value command now displays the ASCII signs within single quotes (same as input).
- When searching for text strings WP-M remembers the last search string used in each region.

4.2 New printers

Two new printers have been implemented:

OLIVETTI 250
GENICOM 3024

See the example file WP-PRINTERS-L01 on the installation floppies. This file is found under user SYSTEM with type :NEW if you already had a WP-PRINTERS-L file, otherwise the file type will be :SYMB.

4.3 New directives in PRINT

Directive	Output example	Comments
^\$DATE;	24.03.1985	- Gives current date at each PRINT
^\$TID;	13.41	- Current time using 24-hour clock
^\$TIME;	01:31 pm	- Current time using 12-hour clock
^\$YEAR;	1985	- Current year
^\$YR;	85	- Last two digits of current year
^\$MM;	03	- Current month with two digits
^\$M;	3	- Current month with one digit if possible, otherwise two digits
^\$DD;	24	- Current day with two digits.
^\$D;	24	- Current day with one digit if possible, otherwise two digits.
^\$HOUR;	13	- Current hour with 24-hour clock. Always two digits.
^\$MIN;	41	- Current minute. Always two digits.
^\$SEC;	07	- Current second. Always two digits.

Product	Name	Reg. no.	Category
	NOTIS-WP for ND-100	10079M	STPR

Directive	Comments
<code>^CC=comment;</code>	- Text parameter will not be printed.
<code>^BT=+;text^BT=-;</code>	- Emphasize text between the directives
<code>^BOLD=text;</code>	- Emphasize text in parameter
<code>^B=text;</code>	- Short form of <code>^BOLD;text;</code>
<code>^N=5=æ;</code>	- Short form of <code>^NAT;</code> . Changes <code>^NAT;</code> for parameter only.
<code>^F=5=text;</code>	- Short form of <code>^FONT;</code> . Changes <code>^FONT;</code> for parameter only.
<code>^BIN-OUT=4;</code>	- Specify compartment where printout should be delivered. Only effective on printers with multiple output compartments.
<code>^HU=text=r=-;</code>	- Half a line up. Print first parameter raised half a line. Second parameter is R or nothing. R causes return to under the first raised character. Third parameter is - or nothing. - causes rest of line to be raised.
<code>^HD=text=r=-;</code>	- Half a line down. Similar to <code>^HU;</code> .
<code>^LS=0;</code>	- Set number of extra blank lines to be inserted between each text line.
<code>^A;</code>	- Set absolute mode. In this mode directives are treated as ordinary text.
<code>^;</code>	- Terminates absolute mode.
<code>^DS=!;</code>	- Change directive start character.
<code>^DE=";</code>	- Change directive end character.
<code>^MARKTEXT,==>,<==;</code>	- Define margin marks. This directive must come before any text. If duplex printing is on, the first parameter defines the mark to be printed on the left side of the text, and the second parameter defines the right margin text.
<code>^MARK=+;</code>	- Turn margin marks on.
<code>^MARK=-;</code>	- Turn margin marks off.
<code>^IN-BG=diagram-file;</code>	- Include a picture produced by NOTIS-BG in the text when PRINTING.

4.4 Changes to INSPECT

- All the different national character sets will now be correctly displayed if you have an ND-320 terminal (terminal type 93).
- The command ! (change terminal type) is implemented.

Product	Name	Reg. no.	Category
	NOTIS-WP for ND-100	10079M	STPR

4.5 Changes to the TEXT FORMATTER

4.5.1 New functions

- The new ND file format (the S format) is available.
- NOTIS-DS is available.
- Automatic hyphenation is available.

4.5.2 Directives Removed

- AB - Abbreviation
- AC - Auto capitals
- FL - Force lowercase

4.5.3 Directives replaced by standard macros

- AN / \$AN - Appendix number
- AP - Appendix
- D-AS / \$AS - Abstract
- D-AU / \$AU - Author
- D-DA - Date
- D-DI / \$DI - Distribution list
- D-LH / \$LH - Letter head
- D-RF / \$RF - Reference string
- D-TI / \$TI - Title string
- D-TK - Technical note header
- D-TO / \$TO - To people
- NS - Number switch
- VE - Version
- F-xxx-STR - Trigger string defined
- II - Index inhibit
- TP-STR - Title page string

Product	Name NOTIS-WP for ND-100	Reg. no. 10079M	Category STPR
---------	-----------------------------	--------------------	------------------

4.5.4 Renamed directives

Old name	New name
D-H1	H1
D-H2	H2
D-TL	TL
D-LB	LB
D-OB	OB
D-PW	PW

4.5.5 New directives

^XHEAD,string;	- index list page header
^UCASE/string;	- convert to uppercase
^LCASE/string;	- convert to lowercase
^TAKE/string/count;	- select part of string
^DROP/string/count;	- suppress part of string
^SPAN/string/charmask;	- select while allowed characters
^BREAK/string/charmask;	- select until prohibited character
^IN-BG/filename;	- include BG chart when printed
^IN-DS/doc/folder/drawer;	- include NOTIS-DS document
^IN-STXT/textname;	- include standard text
^SQUOTE/char;	- define string quote character
^MQSTART/char;	- define macro quote start character
^MQEND/char;	- define macro quote end character
^ERRDEV/filename;	- open file for diagnostic messages
^CC/comment;	- write comment in :OUT file
^BIN-OUT/number;	- select output paper bin
^EODX-STR,string;	- trigger after printing index list
^XC-STR,string;	- trigger on index 1st char. change
^XX,String;	- index, boldprinted page reference
^\$POS/str/chmask/format;	- print pos. of first occurrence
^\$COUNT/str/char/format;	- count number of occurrences
^\$WD/format;	- current weekday 1..7
^\$FWD/format;	- file weekday 1..7 (last write)
^\$CINLINE/format;	- line number input file
^\$ORD/number/format;	- ordinal number ending (English)
^\$NARG/format;	- number of parameters supplied
^\$USERNAME;	- SINTRAN user name
^\$UEUSER;	- User Environment user name
^\$MAINFILE;	- full name of main input file
^\$OUTFILE;	- full name of output file
^\$XTERM;	- current main index term

Product	Name	Reg. no.	Category
	NOTIS-WP for ND-100	10079M	STPR

4.5.6 Other TEXT FORMATTER changes

- Implicit left/right/center justification of HEADER-1, HEADER-2 and TRAILER is no longer done.
- The current `^DS;`, `^DE;`, `^UC;`, `^SQUOTE;`, `^MQSTART;` and `^MQEND;` directives are suspended and the standard characters are inserted when printing headers, trailers, trigger macros and trigger strings.
- The full stop after the last page number in an index table entry is removed.
- The separator between the `^X;` directive name and the main index term must also be used to separate the main term and the subterm.
- If a page break occurs in the index list in the middle of a subterm list, the main term is repeated at the top of the page.
- Illegal characters in the parameter list to directives `^LIB-CONT;`, `^MK;`, `^CM;`, `^ENABLE;`, `^DISABLE;`, `^FIX;` and `^NREDEF;` are now ignored.
- `^IN;` directives intermixed with `^LIB-CONT;` directives will not terminate reading of the file.
- Search strategy for LIB, INIT and ERR files is somewhat changed.
- Forward references are defined by the first definition of the macro rather than by the last definition.
- When filling in a forward reference defined by the `^RD;` directive, the body of the macro is copied without execution of directives.
- All macro types are stored in the same table.
- Range violation when printing numbers in alphabetic or roman format forces numeric format.
- Formatting of alphabetic numbers now uses the entire alphabetic range, dependent on the language version in use.
- Blanks before directive start are ignored even when `^JM=R;`

Product	Name	Reg. no.	Category
	NOTIS-WP for ND-100	10079M	STPR

- The :OUT file is opened immediately after the :TEXT file has been found.
- Error messages concerning forward references contain the input file name and line number where the reference occurred.
- Improved error handling when a semicolon is missing and when margin settings give a text width of less than two positions.
- Undefined forward references are asterisk filled. Default width is two character positions.
- ^SO,name; uses a scratch file region rather than its own file.
- \$CLINE returns the actual line number if called within H1/H2.
- Each main text, page header, page trailer, contents list and contents page header has a full set of formatting parameters saved/restored by NF/OF.
- Menu '5 values serve as initial formatting parameters for header, trailer, contents and contents page header.
- ^PW; (Page width) may be given a maximum value of 255.
- It is now possible to specify the separating character when using the ^SIP; macro by adding the separating character to the numbering parameter, e.g. ^SIP,A.; will result in A., B. etc.
- TF will now give an error message if the reserved field in the ^RD; directive is too small for the result.
- Some improvements have been made in line editing of input to the ^OP; directive.
- The value of ^PH; (Page header) defines the first page number where the header is to appear; zero implies "no header".
- ^PI; may be given negative values.
- ^JM=N; will treat insignificant blanks inserted by WP as ordinary blanks.
- -1 or an empty parameter to the ^BIN-IN; directive indicates that the value in the WP-PRINTERS file is to be used.

Product	Name	Reg. no.	Category
	NOTIS-WP for ND-100	10079M	STPR

- Integer value macros are now 32 bit values, giving a numeric range of approximately 4 billion.
- When updating integer macros, relative multiplication and division are possible.
- When printing integer macros, the field width can be specified as the second parameter. The value is printed right justified in the field.
- Forward references may refer to ordinary macros, integer macros and trigger macros, as well as to reference macros.
- A trigger macro may also be called as an ordinary macro.
- A full character set is available in indexing, including space.
- `INDEXON/format/linemarker/colwidth;`. "format" is one of C/P/N/Sn, "linemarker" will replace the dot in the index list. "colwidth" indicates the width of the page number column.
- `X/main/sub/text;`. "text" will replace the page reference in the index list.
- The set of system values that can be printed is increased to cover all directives which have any associated value.
- Most system values may be used in trigger expressions.
- A macro name may start with a dollar sign.
- An asterisk preceding the name in a directive/macro call (`*call`) causes a call to the original definition when the directive/macro has been redefined.
- `PM,n,def,lev;` and `n,def,lev;`. "lev" indicates how many levels to descend on call stack to select the parameter.
- `$CN,format,seclev;`. "seclev" indicates the section level for which the chapter/section number is to be returned.
- `CN,number;` may be set to zero.
- `IN/filename/S;`. "S" indicates that a standard text library is to be opened. Only one standard text library may be open at a time, ie. when opening the second library, the first will be closed.

Product	Name	Reg. no.	Category
	NOTIS-WP for ND-100	10079M	STPR

- Many improvements have been made in the index facility: User defined heading, multiple word index terms, full character set, user defined ref. string as alternative to \$PN, new alternative standard ref. string, trigger string when the first letter changes.
- It is now possible to redefine the quotation marks and the macro quotes (< and >).
- The error messages from TF may now be printed to a file.
- The system values 'Input file name' and 'User name' are now available.
- Extensions to the indexing mechanism require more space per index term during formatting. The maximum number of index terms is somewhat lower compared to previous versions.
- Forward references require more space than in previous versions.
- Turning hyphenation off in the document menu will release space, increasing the maximum number of index terms and/or macros.

4.6 Library compression program

A significant part of the text in the standard library macros consists of spaces before directive start, insignificant CR/LFs, comment macros and ^IR; directives. In order to reduce memory space requirements for macros, the macro library may be processed by the TF-LIB-COMPRESS program, which will remove spaces, CR/LFs, comments and (optionally) IR directives. This will not alter the execution of the macro.

The program is self-explanatory. ^IR; directives should NOT be suppressed if formatted documents are to be loaded into an IR database.

Be aware that the readability of a compressed library is drastically reduced compared to the original version. The program is primarily intended for ND-100 installations; on ND-500 increasing the size of the TF work area while keeping the library non-compressed will make changes to the library easier.

4.7 Hyphenation tables

The files of the type :HBRF contain hyphenation rules/exceptions used by WP and TF. English hyphenation tables are presently not available. These will be distributed in a program revision as soon as they are available.

Product	Name	Reg. no.	Category
	NOTIS-WP for ND-100	10079M	STPR

4.8 Terminal descriptions - DDBTABLES

The file DDBTABLES-E02:VTM is installed together with WP-M. If you already have a version of the DDBTABLES-E:VTM file, the new one will be placed under user SYSTEM with the file type :NEW.

4.9 The INIT-file

The file NOTIS-WP-xx-M01:INIT is installed together with WP-M. If this file already exists, the new one will be installed with the file type :NEW.

5 INSTALLATION PROCEDURE

5.1 Starting the installation

The installation of NOTIS-WP is initiated by starting the installation program on the distribution floppies:

Disable USER ENVIRONMENT on your terminal, log in as SINTRAN user SYSTEM and enter the following commands (user input is underlined):

```
@ENTER-DIRECTORY <floppy name>,F,<floppy unit>:  
@{<floppy name>:FLOPPY-USER)INST-WP--M:
```

See below for correct <floppy name>.

The installation job will now start and guide you through the installation of NOTIS-WP. The installation job checks whether the requirements for doing a successful installation are fulfilled before the job actually starts.

Note that when the installation job prints the resource requirements for user SYSTEM, the number of files will be somewhat lower than the number specified in this program description sheet. This is correct, as some of the resources are already occupied by the installation job.

	FILES	P	
SYS	4	-	48
BPM	}	7	446 WP PROG
		9	340

6 files seg 519 cont pages
on segment

Date 86.03.14		Norsk Data A.S PROGRAM DESCRIPTION		Page 21 of 21
Product	Name NOTIS-WP for ND-100	Reg. no. 10079M	Category STPR	

WP-100 DISTRIBUTION:

Double-density floppies:

The floppy name is 10079M-XX-1D. "XX" is NOT a language abbreviation! There is 1 language-independent floppy and 1 floppy per language.

Single-density floppies:

The floppy name is 10079M-XX-1S. "XX" is NOT a language abbreviation! There are 3 language-independent floppies and 4 floppies per language.

5.2 Default values used by the installation job

The installation job will ask for several parameters to tune NOTIS-WP for the specific installation.

These questions, with default values, are displayed below:

Parameter		Default values
Expand mode ON at startup	(Y or N)	Y
Alternative delete function	(Y or N)	Y
Fetch INIT file at startup	(Y or N)	Y
Justify at wordwrap	(Y or N)	Y
Justify at carriage return	(Y or N)	N
Append mode ON at startup	(Y or N)	N
Storage format	(S, 7 or 16)	7
Changes before backup		250
Cancel after delete	(Y or N)	Y
Command menu mode	(Y or N)	Y
Use document storage	(Y or N)	N
Horizontal step in %		50
Vertical step in %		93
Scroll on down arrow	(Y or N)	Y
Hyphenation mode	(N,M,S or A)	N
Fill mode	(C or N)	C

