

Date 89.04.19		Norsk Data A.S PROGRAM DESCRIPTION		Page 1 of 12																														
Product	Name NOTIS-PRO for ND-500/5000	Reg. no. 211180B	Category STPR																															
Reason	. New product X Change/Addition . Other: . Error Correction . Different Environment																																	
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Product	Name NOTIS-PRO for ND-500/5000	Reg. no. 211180B	Category STPR
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Max/Min number of RT-descriptions:	Max 0	Min 0
Max/Min number of segments:	Max 0	Min 0
Space requirements on segment file(s) is	0 pages	

File Name	Type	Containing
PRO-INSTALL-B<rev>	PROG	Installation program.
NPRO-500-B<rev>	DOM	PRO program.
JULIE-NTX	SEG	Justification segment
ND-SPELL	SEG	Dummy segment for ND-SPELL.
PRO-DOC-<n>A	TEXT	Layout style master.
PRO-DOC-<n>B	TEXT	Layout style master.
PRO-CALL-1	TEXT	Layout style master.
PRO-CALL-2	TEXT	Layout style master.
PRO-GENERAL	TEXT	Layout style master.
PRO-MIN-1	TEXT	Layout style master.
PRO-MIN-2	TEXT	Layout style master.
PRO-MEMO-1	TEXT	Layout style master.
PRO-MEMO-2	TEXT	Layout style master.
PRO-TEXTEND	TEXT	Dummy file for batch.
PRO-B	DESC	Book pagination description.
NOTIS-NTX-WP	INIT	Init-file.
POSCR-100	DATA	TAB-file for Postscript printer.
PRO-2200	TAB	SUPERSHIFT conversion tables.
PRO-1200	TAB	SUPERSHIFT conversion tables.
NORTX-SEM-<lang>-M	DATA	Pagination text strings.
DATA-SEM-<lang>-M	DATA	Pagination error messages.
NOTIS-PRO-<lang>-A	HELP	PRO help information.
TAB-HY-<lang>	HBRF	Hyphenation table.
PRO-FORMAT-B<rev>	DATA	Markup codes, basic and English
PRO-FORMAT-LANG	DATA	Markup codes, language dependent.
PRO-FORMAT-CUST	DATA	Markup codes, customized.
PRO-FORMAT-MATH	DATA	Markup codes, mathematics.
PRO-<lang>-A	UDK	PRO UDKs.
BENHAM	CGM	Example DRAW file.
ND-LOGO	TIFF	Example scanned logo.
UE-ERMSG-<lang>-C14	ERR	UE error messages.
NTXWP-PARAM-M	NTXP	File name parameters.
PRO-SERVICE-B<rev>	DOM	PRO-SERVICE program.
DESCRIBE-PG-M	DOM	Book pagination service program.
LOAD-LAMU-LA-M	DOM	LAMU-segment initialize program.
PHOTOINFO-PI-K	PROG	Program to switch prologue on/off
FORMATLIST-	PROG	Program to list formats
PSPROLOG	POST	Postscript prologue to printer.
PRO-SERVICE-B	FORM	FORM-file for PRO-SERVICE
DESCRIBE-PG-M	FORM	FORM-file for DESCRIBE-PG
PHOTOINFO-PI-J	FORM	FORM-file for Postscript TAB-file
FORMAT-LIST-K	FORM	FORM-file for FORMATLIST
POSCR-100-L	FORM	FORM-file for Postscript TAB-file
NTXWP-FORM-NAMES	SYMB	Parameters for editor.
HOSTGO-1200-C	FONT	Graphic font definitions.
HOSTGO-2200-C	FONT	Graphic font definitions.

Date 89.04.19		Norsk Data A.S		Page 3 of 12	
PROGRAM DESCRIPTION					
Product	Name	Reg. no.	Category		
	NOTIS-PRO for ND-500/5000	211180B	STPR		

## 1 NOTES

- <rev> is to be replaced by the current revision of the DIRECTORY or FILE.
- <lang> is to be replaced by the relevant language.

## 2 NEW FUNCTIONS

### The editor.

There are six new commands in the main menu in the editor:

PAGES/FIGURES	Produces a LIST OF FIGURES.
PAGES/TABLES	Produces a LIST OF TABLES.
PAGES/REFERENCES	Inserts cross references, and makes a TABLE OF REFERENCES.
FUNCTION/WORD-CHECK	Starts spelling program, if installed.
MENUS/WORD-CHECK	Definition of spelling parameters.
NOTIS-DM	Starts NOTIS-DM, if installed.

The function FUNCTION/BATCH has been extended with more possibilities.

The PRINT command has got a new field for number of copies.

When a file from NOTIS-WP is taken into the NOTIS-PRO-B editor, underlined text will be marked with <UL>text...</UL>, which will give underlined text in NOTIS-PRO.

### New / extended markup codes.

NOTIS-PRO-B has up to 50 new markup codes, and some of the existing have got more parameters or more valid parameter values. Details are described in the NOTIS-PRO User Guide.

### Markup codes for mathematics.

There is a set of markup codes for handling mathematics in NOTIS-PRO. This are more advanced than the rest of the markup codes, and therefore has its separate documentation.

Date 89.04.19		Norsk Data A.S PROGRAM DESCRIPTION		Page 4 of 12	
Product	Name NOTIS-PRO for ND-500/5000	Reg. no. 211180B	Category STPR		

### Supervisor program.

There is a separate program PRO-SERVICE for handling customizing of font sets, layout style masters, text strings, and maintenance tasks.

This program is meant to be used by the PRO-SUPERVISOR, and is a tool for making customized standards.

### 3 CHANGES FROM NOTIS-PRO-A TO NOTIS-PRO-B

In NOTIS-PRO-B a text string <S1>...<S9> is ended with the markup code <\*>. This means that <\*> has to be put into a document from NOTIS-PRO-A for every string definition, before the document is paginated with NOTIS-PRO-B.

If this has not been done, the endcode > will be removed from <S1..... and the term will get an error mark #. Then you have to put back the endcode >, and place a <\*> at the end of the string definition.

The regions for CONTENTS and INDEX has got a prefix PRO-, and are called PRO-CONTENTS and PRO-INDEX in NOTIS-PRO-B.

The default parameters in the <MGR name,x,y> has changed for x and y. In PRO-A, you got a picture with the current text which if you didn't specify any of the parameters x or y. In PRO-B you will get a picture with the same size as the original picture/drawing.

In order to get a picture with the current text which, you must specify the parameter x to be 'TLL'i, like <MGR name,'TLL'i>. 'TLL' stands for the internal parameter for current line length, and i stands for internal units.

NOTIS-PRO-A was using a LAMU-area in the memory where format names, font definitions and several other typographical parameters were stored. In NOTIS-PRO-B, the same information is gathered in the file (WORFILES-NTX)LAMU-SEG-:DATA, which means that you don't use any LAMU-area in memory for PRO-B.

Date 89.04.19		Norsk Data A.S PROGRAM DESCRIPTION		Page 5 of 12	
Product	Name NOTIS-PRO for ND-500/5000	Reg. no. 211180B	Category STPR		

#### 4 KNOWN LIMITATIONS

The <BOX> markup code cannot be used in combination with <COL,2> or <COL,3>.

There are limitation of the possible number of <CHAR> and SUPERSHIFT characters on one line. This limit is approximately 20 characters per line.

It is necessary to press the ~-key twice in order to store initial information in the User Profile. This is due to the fact that the ~-key is defined as an accent key in NOTIS-PRO, and when used in the work area, the cursor remains in the same position, waiting for the character to be placed under the accent.

If the code <MGR> is used to include an illustration stored in the SINTRAN III File System, the password should not be given as part of the syntax. Example of sufficient syntax:

```
<MGR pooh(john-jones).pie-chart:cgm>
```

The two files NORTX-SEM-<lang>:DATA and DATA-SEM-<lang>:DATA (see below) contain the texts and error messages for the book pagination part of NOTIS-PRO. It is only possible to have one language version of these files on user SYSTEM at one time. In order to run several languages of NOTIS-PRO on the same computer simultaneously, the two -SEM files in languages different from the normal one should be copied to the SINTRAN user areas from which NOTIS-PRO is run.

The markup code <LIST> does not accept a hyphen as a parameter. In order to get a hyphen in front of each list item, start the list with <LIST> code without a parameter. This means that it is not possible to have a sublist preceded by a hyphen.

Date 89.04.19		Norsk Data A.S		Page 6 of 12	
PROGRAM DESCRIPTION					
Product	Name	Reg. no.	Category		
	NOTIS-PRO for ND-500/5000	211180B	STPR		

## 5 INSTALLATION PROCEDURE

If you want to preserve any of the files from your "old" system, make backup copies first.

If NOTIS-PRO-A or NORTEXT has been installed, those must not be used by anyone during the installation. NOTIS-PRO-B can only be installed in combination with NORTEXT-M or later. In order to check this, give the SINTRAN command LIST-RTOPEN-FILES. The following files must be closed:

```
(NOTIS-PRO)NPRO-500-:PSEG
(NOTIS-PRO)NPRO-500-:DSEG
(NOTIS-PRO)POSCR-100:DATA
(NOTIS-PRO)PRO-FORMAT-rn:DATA
(NOTIS-PRO)PRO-FORMAT-LANG:DATA
(NOTIS-PRO)PRO-FORMAT-CUST:DATA
```

If you are running NORTEXT editor on the same computer, make a copy of the file (PARAMETERS-NIX)NIXWP-PARAM-:NIXP. Changes in this file has to be made according to chapter 8.

### 1) Prerequisites

- a) The file UE-ERMSG-<lang>-C14:ERR will be installed if you have no later versions installed.

When you are starting NOTIS-PRO, you have to be UE-user with a language that has UE-ERMSG-<lang>-C14:ERR or later. If you are a SINTRAN-user, or correct UE-file does not exist for your UE-language, the following error message will appear:

```
100037 ERROR CODE OUTSIDE RANGE
```

- b) The product 210455G DDBTABLES-G03:VTM must be installed.
- c) SINTRAN III, version K with generation/workmode > 500, or SINTRAN L.

You have to make sure that the user SYSTEM has at least 300 free pages, and that there is enough free space on the directory where NOTIS-PRO is going to be installed. After having deleted all old files for NOTIS-PRO, enough space will automatically be allocated for each user, except for the user SYSTEM. If this fails, the installation procedure will stop, and you have to make space available and start the installation procedure from the beginning again.

Date 89.04.19		Norsk Data A.S PROGRAM DESCRIPTION		Page 7 of 12	
Product	Name NOTIS-PRO for ND-500/5000	Reg. no. 211180B	Category STPR		

## 2) Installing the Product

The installation set for NOTIS-PRO-B consists of 9 floppies, and you have to make a complete installation with the 7 first floppies to get a complete system. The 2 last floppies contains screenfont-files for Graphic Option, and will be asked for depending on which screenfont-files you want to use.

If anything goes wrong during the installation, and you have to use the ESC key, a CLEAN-UP procedure will be automatically run to close all open files, so that you can run the complete installation procedure again. This means that you must not interrupt the CLEAN-UP procedure.

a) Log in as user SYSTEM.

b) Put the floppy 211180B<rev>-<lang>-01D into the floppy drive, and enter it with:

```
@ENTER-DIRECTORY,,FLOPPY-DISC-<drive-no.>,<floppy-unit>↓
```

c) Start the installation procedure by typing:

```
@(211180:FLOPPY-USER)PRO-INSTALL↓
```

If the system has been installed before, all old files will be deleted and replaced by new versions.

d) Follow the instructions given. When one floppy has been copied, change floppy and press the ↓ key.

e) When the installation job is finished, the floppy directory has been released and the last floppy may be removed.

f) If you like, check the file (SYSTEM)PRO-INST-:LOG for any errors that occurred during installation.

g) The following files must be copied manually from user NOTIS-PRO to user SYSTEM. :

```
(NOTIS-PRO)DATA-SEM-<lang>:DATA  
(NOTIS-PRO)NORTX-SEM-<lang>:DATA
```

(<lang> is the standard 2-letter abbreviation for your ethnic language.)

Make sure that there is only one version of these files to prevent ambiguous file names on user SYSTEM.

Make sure that these files have public read access.

Date 89.04.19		Norsk Data A.S PROGRAM DESCRIPTION		Page 8 of 12	
Product	Name NOTIS-PRO for ND-500/5000	Reg. no. 211180B	Category STPR		

- h) NOTIS-PRO-B is prepared to run the program ND-SPELL, and a dummy segment (ND-SPELL)ND-SPELL:SEG has automatically been installed if the program does not exist.

If you are going to install ND-SPELL at once, it is easiest to do it before you are continuing with i) where the standard domain is defined.

- i) Install the NOTIS-PRO as a standard domain subsystem with:

```
@ND-500↓
N500:DEFINE-STANDARD-DOMAIN NOTIS-PRO (NOTIS-PRO)NPRO-500↓
```

### 3) Changes to SINTRAN startup files

- a) If this is the first installation of NOTIS-PRO, insert the following into the file

```
(SYSTEM)DUMP-REENTRANT:SYMB or ....:MODE :
```

```
@ND-500
N500:DEFINE-STANDARD-DOMAIN NOTIS-PRO (NOTIS-PRO)NPRO
```

If NOTIS-PRO-A has been installed, check that the version letter is correct, or does not exist.

If NOTIS-PRO has not been installed before, the installation is now finished.

If NOTIS-PRO-A has been installed, a LAMU area has been defined.

If no other of your systems are using LAMU area, you can release it.

To get the LAMU area released, remove the definition from the HENT- and LOAD-file. After the next COLD-start the area will be released.

NOTE: When you have removed the LAMU definition from the HENT- and LOAD- files, you have to make a COLD-START before running a WARM-START. You can run NOTIS-PRO-B without deleting the LAMU area, so you don't have to run a COLD-START now.

- b) Remove the following text in the file  
(SYSTEM)HENT-MODE:SYMB or ....:MODE if it was put there for NOTIS-PRO-A, and no other system are using LAMU-area:

```
@PAGES-TO-LAMU <first-phys-page><number-of-pages>,N,Y
```



Date 89.04.19		Norsk Data A.S PROGRAM DESCRIPTION		Page 9 of 12	
Product	Name NOTIS-PRO for ND-500/5000	Reg. no. 211180B	Category STPR		

- c) Remove the following lines in the file  
(SYSTEM)LOAD-MODE:SYMB or .....:MODE if they were put  
there for NOTIS-PRO-A, and no other system are using  
LAMU-area:

```

MEMORY-CONFIGURATION
DEF-MEMORY-CONFIGURATION
zzzz
yy000
y
y
y
y

```

- d) At the end of LOAD-MODE, remove:

```
@(MAINTENANCE-NTX)LOAD-LAMU-L:PROG
```

This program does not exist any longer.

Date 89.04.19		Norsk Data A.S PROGRAM DESCRIPTION		Page 10 of 12
Product	Name NOTIS-PRO for ND-500/5000	Reg. no. 211180B	Category STPR	

## 6 PROLOGUE TO PRINTERS

NOTIS-PRO has been installed in such a way that every time a document is sent to the printer, a PROLOGUE is sent first as a part of the data.

The PROLOGUE contains descriptions of POSTSCRIPT formats used. This information can be downloaded in the printer, and then it will not be necessary to send the PROLOGUE each time, which means less data to send when a document is to be printed. The size of the PROLOGUE is similar to four pages of text. The weakness of downloading the PROLOGUE is that it will disappear when the printer is switched off, and you have to download the PROLOGUE again.

If you want to download the PROLOGUE, you ought to make sure that every PRO-printer get the PROLOGUE downloaded each time it is turned on. Note that every printer has to get the PROLOGUE downloaded.

To switch off the PROLOGUE in each printing, log in as user NOTIS-PRO and run the program (MAINTENANCE-NTX)PHOTOINFO-PI-. This program can also be started from PRO-SERVICE. You will then get forms containing parameters setting the printer. The table file for the printer is (NOTIS-PRO)POSCR-100-:DATA. Go to PAGE 6 by using the SCROLL keys, navigate with the down arrow to the parameter "Send Prolog for each job", and set this to -1. Store the change by pressing the NEW PARAGRAPH key. Go out of the program with the EXIT key.

You can switch the PROLOGUE on by setting the parameter back to 1, and store the change by pressing the NEW PARAGRAPH key.

To download the PROLOGUE on a printer, you just copy the file (WORKFILES-NTX)PSPROLOG:POST to <logical-printer-name>, using the COPY command:

```
@COPY↓
TO DEVICE:<logical-printer-name>↓
FROM DEVICE:(WORKFILES-NTX)PSPROLOG:POST↓
```

It is also possible to transfer the file to the printer by using NOTIS-SPRINT.

Date 89.04.19		Norsk Data A.S PROGRAM DESCRIPTION		Page 11 of 12	
Product	Name NOTIS-PRO for ND-500/5000	Reg. no. 211180B	Category STPR		

## 7 SCREENFONT-SET FOR GRAPHIC OPTION.

The installation-program will ask which screenfont-set to use. You may choose between files for Tandberg 1200, Tandberg 2200 or both. The installation-program will then update the parameter-file with information about screenfont-set.

User-area SCRATCH and WORKFILES-NTX will be expanded depending on which screenfont-set you decide to use.

The LOAD-LAMU-program will also be run during the installation-process. Output from this program is sent to the file (SYSTEM)LAMU-DIRECTORY:L500.

The file (WORKFILES-NTX)LAMU-SEGMENT-NTX:DATA (continous file) will be created by the LOAD-LAMU-program. Example of file-size for LAMU-SEGMENT-NTX:DATA:

Hyphenation language:	pages:	
	norw.:	engl.:
GOF_1200=(WORKFILES-NTX)HOSTGO-1200-C:FONT	1054	1102
GOF_2200=(WORKFILES-NTX)HOSTGO-2200-C:FONT		
GOF_1200=(WORKFILES-NTX)HOSTGO-1200-C:FONT	600	648
%GOF_2200=(WORKFILES-NTX)HOSTGO-2200-C:FONT		
%GOF_1200=(WORKFILES-NTX)HOSTGO-1200-C:FONT	527	575
GOF_2200=(WORKFILES-NTX)HOSTGO-2200-C:FONT		
%GOF_1200=(WORKFILES-NTX)HOSTGO-1200-C:FONT	73	121
%GOF_2200=(WORKFILES-NTX)HOSTGO-2200-C:FONT		

HOSTGO-1200-C01:FONT resides on floppy 211180B03-XX-08D and HOSTGO-2200-C01:FONT resides on floppy 211180B03-XX-09D.

If you later on want to install another screenfont-file, it can simply be done by use of the Backup-System to copy the file(s) from the release-floppy to user WORKFILES-NTX. Remember to update the file (PARAMTERS-NTX)NTXWP-PARAM-:NTXP, and run the LOAD-LAMU-program.

Be sure that user SCRATCH and WORKFILES-NTX both have enough free space to run the LOAD-LAMU-program. The LOAD-LAMU-program is started from user SYSTEM:

```
@ND-500-MONITOR↓
ND500(0):(MAINTENANCE-NTX)LOAD-LAMU↓
ND500(0):EXIT↓
```

Date 89.04.19		Norsk Data A.S PROGRAM DESCRIPTION		Page 12 of 12	
Product	Name NOTIS-PRO for ND-500/5000	Reg. no. 211180B	Category STPR		

### 8 SPECIAL TREATMENT IF NORTEXT EDITOR IS INSTALLED.

NOTIS-PRO is partly based upon the NORTEXT editor, and if you already have installed this product, you have to do some adjustments due to common files.

There are limitations in what combinations of programs that can be on the same machine. NOTIS-PRO-A can be used together with NORTEXT up to the L-version, while NOTIS-PRO-B can be used on the same machine as NORTEXT M and higher.

As described under the installation procedure, you have to make a copy of the file (PARAMETER-NIX)NTXWP-PARAM-:NTXP. After having installed NOTIS-PRO you have a new file. This contains the parameters for NOTIS-PRO, and you have to edit in the photosetter table files and Hyphenation tables that are valid in your NORTEXT system. NOTIS-PRO must have (NOTIS-PRO)POSCR-100-:DATA as photosetter number 1. The following parameters have to be set for NOTIS-PRO :

% Module: NTXWP-PARAM-:NTXP

```

HY01= (NOTIS-PRO)TAB-HY-<lang>           % <lang> is the PRO language
GOF_2200=(WORKFILES-NIX)HOSTGO-2200-C:FONT
GOF_1200=(WORKFILES-NIX)HOSTGO-1200-C:FONT
TF01= (NOTIS-PRO)POSCR-100:DATA           % Must be TF01 !
FF0x= (NOTIS-PRO)PRO-FORMAT-B:DATA        % x is a number from 1-9
FF0y= (NOTIS-PRO)PRO-FORMAT-LANG:DATA     % y is a number from 1-9
FF0z= (NOTIS-PRO)PRO-FORMAT-CUST:DATA     % z is a number from 1-9
FF0w= (NOTIS-PRO)PRO-FORMAT-MATH:DATA     % w is a number from 1-9
PRO__DESC= (NOTIS-PRO)PRO-B               % NO EXTENTION !

```

Note that NOTIS-PRO has a fixed character set, while the NORTEXT editor has a user defined set. This means that there might be differences in the SUPERSHIFT characters that are available, and the two systems must have different table files for the Postscript printer.

NOTIS-PRO uses the new screen font set ND 21193A for the graphic option. If your NORTEXT system is not using this, you have to update table 2 in all photosetter table files to get the correct SUPERSHIFT characters.

NOTE! After having updated the file NTXWP-PARAM-:NTXP, or have made changes in the format names, you have to make a new file (WORKFILES-NIX)LAMU-SEGMENT-:DATA by using the program:

@ND (MAINTENANCE-NIX)LOAD-LAMU↓