

P-A G E

Containing

: NOTIS-BG for ND-100

(ENGLISH VERSION) 32 BITS FL.

Directory Name : 10758804-EN-01S

User Name : FLOPPY-USER

				File	access	:		
Num	File name	Type	T	Public	Friend	0wn	Pages	Bytes
0	BG-PART1-EN-B04	BRF	1	RWACD	RWACD	RWACD	56	110622
1	INST-BG132-B04	PROG	I	RWACD	RWACD	RWACD	4	6144
2	BG-EX01-EN-B04	PLOT	I	RWACD	RWACD	RWACD	2	415
3	BG-EX02-EN-B04	PLOT	I	RWACD	RWACD	RWACD	2	328
4	BG-EX03-EN-804	PLOT	I	RWACD	RWACD	RWACD	2	311
5	BG-EX04-EN-B04	PLOT	I	RWACD	RWACD	RWACD	2	425
6	BG-EX05-EN-B04	PLOT	I	RWACD	RWACD	RWACD	2	284
7	BG-EX06-EN-B04	PLOT	I	RWACD	RWACD	RWACD	2	593
8	INST-BG132-B04	COM	I	RWACD	RWACD	RWACD	1 4	25807
9	XCOM	PROG	1	RWACD	RWACD	RWACD	60	182272

10 files using 146 pages. 148 pages reserved out of 148 pages

PAGE

Containing : NOTIS-BG for ND-100

(GERMAN VERSION) 32 BITS FL.

Directory Name: 10758B04-GE-01S

User Name : FLOPPY-USER

0361	Hame to Lott 1 05							
				File	access	:		
Num	File name	Туре	T	Public	Friend	Own	Pages	Bytes
0	BG-PART1-GE-B04	BRF	I	RWACD	RWACD	RWACD	56	112029
1	INST-BG132-B04	PROG	I	RWACD	RWACD	RWACD	4	6144
2	BG-EX01-GE-B04	PLOT	I	RWACD	RWACD	RWACD	2	414
3	BG-EX02-GE-B04	PLOT	I	RWACD	RWACD	RWACD	2	334
4	BG-EX03-GE-B04	PLOT	I	RWACD	RWACD	RWACD	2	309
5	BG-EX04-GE-B04	PLOT	I	RWACD	RWACD	RWACD	2	428
6	BG-EX05-GE-B04	PLOT	I	RWACD	RWACD	RWACD	2	279
7	BG-EX06-GE-B04	PLOT	I	RWACD	RWACD	RWACD	2	664
8	INST-BG132-B04	COM	I	RWACD	RWACD	RWACD	1 4	25807
9	XCOM	PROG	I	RWACD	RWACD	RWACD	60	182272

10 files using 146 pages. 148 pages reserved out of 148 pages 

PAGE

Containing : NOTIS-BG for ND-100

(Swedish version) 32 bits floating

Directory Name : 10758B02-SW-01S

User Name : FLOPPY-USER

				File	access	:		
Num	File name	Type	Τ	Public	Friend	0wn	Pages	Bytes
					. <b></b> .			
0	BG-PART1-SW-B02	BRF	$\mathbf{I}^{s}$	RWACD	RWACD	RWACD	56	111161
1	INST-BG132-B02	PROG	I	RWACD	RWACD	RWACD	4	E 144
2	BG-EX01-SW-B02	PLOT	I	RWACD	RWACD	RWACD	2	4 1 5
3	BG-EX02-SW-B02	PLOT	1	RWACD	RWACD	RWACD	2	328
. 4	BG-EX03-SW-B02	PLOT	I	RWACD	RWACD	RWACD	2	311
5	BG-EX04-SW-B02	PLOT	I	RWACD	RWACD	RWACD	2	4 2 5
6	BG-EX05-SW-802	PLOT	I	RWACD	RWACD	RWACD	2	284
7	BG-EX06-SW-B02	PLOT	I	RWACD	RWACD	RWACD	2	593
8	INST-BG132-B02	COM	I	RWACD	RWACD	RWACD	1 4	25781
9	XCOM	PROG	I	RWACD	RWACD	RWACD	60	182272

10 files using 146 pages. 148 pages reserved out of 148 pages 

PAGE 1

Containing

: NOTIS-BG for ND-100

32 bits floating

Directory Name : 10758B03-XX-02S

User Name : FLOPPY-USER

0001				File	access	:		
Num	File name	Type	τ	Public	Friend	0wn	Pages	Bytes
			- 7					
٥	BG-DRIV01-B03	BRF	1	RWACD	RWACD	RWACD	8	13407
1	BG-DRIV02-B03	BRF	I	RWACD	RWACD	RWACD	10	16624
2	BG-DRIV03-B03	BRF	I	RWACD	RWACD	RWACD	9	16074
¥3	BG-DRIV04-B03	BRF	1	RWACD	RWACD	RWACD	10	16586
4	BG-DRIV05-B03	BRF	I	RWACD	RWACD	RWACD	9	14417
5	BG-DRIV15-B03	BRF	I	RWACD	RWACD	RWACD	9	14360
6	BG-PART2-B03	PROG	I	RWACD	RWACD	RWACD	12	21812
7	BG-PRINTERS-B03	SYMB	I	RWACD	RWACD	RWACD	2	749
8	BG-TYPER-B03	SYMB	I	RWACD	RWACD	RWACD	2	1486
9	DDBTABLES-E02	VTM	I	RWACD	RWACD	RWACD	11	15034
10	DDB078	VTM	I	RWACD	RWACD	RWACD	2	625

11 files using 84 pages. 148 pages reserved out of 148 pages

PAGE 1

Containing

NOTIS-BG for ND-100

32 bits floating

Directory Name : 10758B03-XX-03S

User Name : FLOPPY-USER

File access:

				1 7 7 6	access	•		
Num	File name	Type	T	Public	Friend	0wn	Pages	Bytes
			;					
0	BG-PART3-B03	BRF	I	RWACD	RWACD	RWACD	56	111796
1	BG-PART4-B03	BRF	I	RWACD	RWACD	RWACD	2 4	46718
2	BG-PART5-B03	BRF	I	RWACD	RWACD	RWACD	22	41293
3	BG-PART6-B03	BRF	I	RWACD	RWACD	RWACD	19	35569

4 files using 121 pages. 148 pages reserved out of 148 pages

4 files using (2) pages. 140 pages reserved out of 140 pages

Software ERROR Report

Page: 1

NOTIS-BG for ND-100 (32 bits)

10758B

Report no:

2 :

Date: 850822

Program:

NOTIS-BG

Subject: Symptom: Large diagrams were not possible to output with NOTIS-WP-M. The file output with NOTIS-BG got 0 bytes, and was therefore

not possible to output with NOTIS-WP-M.

Description: The error is corrected in revision B01 of NOTIS-BG-B.

ND Norsk Data

Date: 860220

Software INFORMATION Report

Page: 1

NOTIS-BG for ND-100 (32 bits)

10758B

Report no:

6

Program:

NOTIS-BG

Subject:

Errors corrected and changes made in revision 802

#### Error corrections

The driver for Epson ND-470 is corrected. Be aware of the switch settings in the terminal when output to Epson is wanted. The Communication switch Printer handshake must be set to OFF, and Printer code format to 7Even.

# Changes introduced

The terminal types 80 and 90 are allowed.

Driver for HP7475 uses communication handshake XON/XOFF.

Standard VTM-table (E02) is used. This means that customers using Tektronix 4105 must use VTM-Compound to add terminal type 78 to the VTM-table.

The PROG file is generated on SINTRAN user NOTIS. This user must exist before the installation procedure starts.

ND Norsk Data

Date: 860505

Software INFORMATION Report

Page: 1

NOTIS-BG for ND-100 (32 bits)

10758B

Report no:

8

Program:

NOTIS-BG

Subject:

German version is generated.

The German version is now generated. This version uses the English command set, but has user communication and output in German.

The new revision found on diskettes 10758B03-XX-02S and 10758B03-XX-03S is made to handle the German version. (This revision is ONLY necessary for the German version, no other changes have been made.)

Revision BO3 contains the following diskettes:

10758B02-GE-01S

10758B02-NO-01S

10758B02-EN-01S

10758B03-XX-02S

10758B03-XX-03S

ND Norsk Data

Date: 860612

# Software INFORMATION Report

Page:

NOTIS-BG for NO-100 (32 bits)

10758B

Report no:

9

Program:

NOTIS-BG

Subject:

Swedish version is generated.

The Swedish version is now available and is found on the following diskettes:

10758802-SW-01S 10758803-XX-02S 10758803-XX-03S

Kindly refer to the ND SOFTWARE LIBRARY DISKETTE sheets for the updated file information.

1

ND Norsk Data

Software FATAL ERROR Report

Page: 1

NOTIS-BG for ND-100 (32 bits)

107588

Report no: 11

Date: 860915

Program:

NOTIS-BG

Subject:

Installation program

Symptom:

Due to an error in the installation program it is not

possible to load NOTIS-BG version B03.

Description: A new revision of floppy 10758B04-1 has been made.

Revision BO4 contains the following diskettes:

10758804-GE-01S

10758B04-NO-01S

10758B04-EN-01S

10758B03-XX-02S

10758B03-XX-03S

	· · · · · · · · · · · · · · · · · · ·				
Date 85.05	5.15 Norsk Data A/S Page 1 of 16 PROGRAM DESCRIPTION				
Product	Name ND-no. Category				
3 ×	(Business Graphics) 32 bits fl. 10758B STPR				
Reason	. Error Correction . Different Environment . Change/Addition				
Documen-	Title ND-no.				
tation	NOTIS-BG User Manual 63.033.01				
-	NOTIS-BG Brukerveiledning 63.034.01				
Purpose	Produce simple line graphs, bar charts and pie charts on various types of output units.				
Prerequi-	Computer Type Floating format Op. system Version				
sites	ND-100 32 bits SIN III VS > = I				
	ND-no. Product name				
	(At least one of these is necessary)				
	ND 321 NOTIS-terminal with graphic option				
	ND 447 Philips printer				
	ND 448 Philips printer				
	ND 424 Epson printer				
	ND 218 HP-plotter				
	Tektronix 4105 (Not ND product)				
	Minimum mass storage resources for installation				
	User Userspace Number of files				
	SYSTEM 300 pages on 13 files				
	user specified 160 pages on 15 files				
	Minimum mass storage resources permanent				
	User Userspace Number of files				
	SYSTEM 180 pages on 4 files				
	user specified 20 pages on 6 files				
Product	ND-no. for Source				
consists	107598				
of					
Directory	Name: 10758B00-EN-1 User Name: FLOPPY-USER				
Prog.no.	File Name Type T Pg. Bytes Containing				
205977B	BG-PART1-EN-BOO BRF I 56 110839 BG-modules				
205978B	INST-BG132-B00 COM I 4 6144 Installation job.				
205284B	BG-EX01-EN-B00 PLOT I 2 415 Demo-file				
205285B	BG-EX02-EN-B00 PLOT I 2 328 Demo-file				
205286B	BG-EX03-EN-B00 PLOT I 2 311 Demo-file				
205283B	BG-EX04-EN-B00 PLOT I 2 425 Demo-file				
205287B	BG-EXO5-EN-BOO PLOT I 2 284 Demo-file				
205958B	BG-EX06-EN-B00 PLOT I 3 1000 Demo-file				
205979B	INST-BG132-B00 PROG I 14 25547 Installation program				
205960B	XCOM PROG I 60 182272 Installation system				
2033000	ACON PROG 1 OU 102212 INSCALLACION SYSTEM				

	5			5		
Date 85.0		Norsk OGRAM	_		A/S IPTION	Page 2 of 16
Product	Name NOTIS-BG for N (Business Grap			2 bi	ts fl.	ND-no. Category
Directory	Name: 10758800-N	0 - 1		Use	r Name:	FLOPPY-USER
Prog.no.	File Name	Type	т	Pg.	Bytes	Containing
205981B	BG-PART1-NO-BOO	BRF	I	56	110851	BG-modules
205978B	INST-BG132-B00	COM	I	4	6144	Installation job.
205279B	BG-EX01-NO-B00	PLOT				Demo-file
2052808	BG-EX02-NO-B00	PLOT			419	Demo-file
205281B	BG-EX03-NO-B00	PLOT			320	Demo-file
205278B	BG-EX04-NO-B00	PLOT			443	Demo-file
205282B	BG-EX05-NO-B00	PLOT				Demo-file
205962B	BG-EX06-NO-B00	PLOT				Demo-file
205979B	INST-BG132-B00					Installation program
205960B	XCOM	PROG				Installation system
Directory	Name: 10758B00-2			Use	r Name:	FLOPPY-USER
Prog.no.	File Name	Type	T	Pg.	Bytes	Containing
205982B	BG-DRIV01-B00	BRF	I	8	13371	Device-driver
	BG-DRIV02-B00	BRF	I	10	17060	Device-driver
205984B	BG-DRIV03-B00	BRF	I	9	16074	Device-driver
205985B	BG-DRIV04-B00	BRF	I	10	16575	Device-driver
205986B	BG-DRIV05-B00	BRF	I	8	14263	Device-driver
205987B	BG-DRIV15-B00	BRF	Ι	9	14361	Device-driver
	BG-PRINTERS-BOO	SYMB		12	831	Output device def.
	BG-PART2-BOD	PROG	_			NRL
205970B	BG-TYPER-BOO	SYMB		_	1479	Printer data
203786D	DDBTABLES-D-D	VTM		19	20394	VTM-table
Directory	Name: 10758800-3			Use	r Name:	FLOPPY-USER
Prog.no.	File Name	Type	τ	Pg.	Bytes	Containing
205991B	BG-PART3-BOD	BRF	I	56	111796	Fortran library
205992B	BG-PART4-B00	BRF		2 4		-
205993B	BG-PART5-800	BRF	I	24		-
205004B	BC-DARTE-BOD	PDF				Graphic modules

I 22 41699

34087

I 18

BRF

BRF

205994B

205995B

BG-PART6-BOO

BG-PART7-B00

**Graphic modules** 

VTM-modules

Date 85.05		Data A/S DESCRIPTION	Page	3 of 16
Product	Name NOTIS-BG for ND-100 (Business Graphics)	32 bits fl.	ND-no.	Category STPR

#### 1 ERRORS CORRECTED

i

The following errors are corrected from the A-version of NOTIS-BG

- R access on Philips spooling files is not required.
- Error message when opening printer will not be suppressed.
  - Graphic Rendition Mode (in TDV menu) is set to 'Attribute' at exit from NOTIS-BG.
  - Extended Control Mode (in TDV menu) is set to 'Off' at exit from NOTIS-BG.
  - The instruction 'DATAFILE=?' in diagram file for line graphs works according to the specifications.

# 2 KNOWN, BUT NOT CORRECTED ERRORS

- The instructions 'XRANGE=' and 'YRANGE=' doesn't work as expected. These two instructions require two parameters each, lowest and highest value along the actual axis. These two values are used in the algorithm that calculates tic marks with 'nice' labels. The maximum and minimum value along the axis may be adjusted to get 'nice' values on the tic marks.
- If the execution of NOTIS-BG is breaked when preparing diagrams for Philips or Epson, the following files may exist on the account afterwards:
  - VECTOR-A: DATA
  - = SPLIT-A: RAST
  - SORT-A:RAST

If more than one user is using NOTIS-BG at this time, the letter 'A' in the file names could be any letter. These files are used temporarily in the conversion algorithm, and are deleted when conversion is complete.

Date 85.0		Data A/S DESCRIPTION	Page	4 of 16
Product	Name NOTIS-BG for ND-100	-	ND-no.	Category
	(Business Graphics)		10758B	STPR

#### 3 CHANGED PREREQUISITES

The B version of NOTIS-BG may be executed on a Tektronix 4105 color graphics terminal, or a compatible one (TEK 4106,4107,4109,4115)

#### 4 NEW COMMANDS

The following command are added in the B-version. (Not documented in the User Manual.)

- ROTATION=90 . This command (instruction) may be used to rotate the diagram 90 degrees. The diagram will then be plotted on a A4 portrait format instead on an A4 landscape format. In this version of NOTIS-BG it is not possible to rotate any other angles. The instruction has to be used in the first part of the diagram file.

# 5 NEW FEATURES

- When printing diagrams on the PHILIPS printer, the diagram has to be converted to a raster-format first. The raster-format is printed directly to a spooling file. It is possible to store this raster-picture prepared for PHILIPS on a user specified file. This is done by specifying a file name instead of a logical output device when BG asks for 'OUTPUT DEVICE:' If the file doesn't exist, the file name has to be written in quotation marks ("file:data"). The file is stored in an internal format for future use and is not suited for direct copying to the Philips printer later.
- It is possible to specify a remote Philips for output in BG-PRINTERS:SYMB
- Tektronix-4105, color graphics terminal may be used to execute NOTIS-BG.

#### 6 IMPROVED PERFORMANCE

The algorithm for converting the diagram for the Philips printer is optimized, and output to Philips is not so timeconsuming as in the A-version.

Date 85.05.	.15 Norsk PROGRAM	Data DESCR		Page	5 of 1G
Product	Name NOTIS-BG for ND-100 (Business Graphics)	32 bi	ts fl.	ND-no. 10758B	Category STPR

# 7 ADDITION TO MANUAL

#### 7.1 DIAGRAM VARIATIONS

The following diagrams are not documented in the manual:

Text diagrams

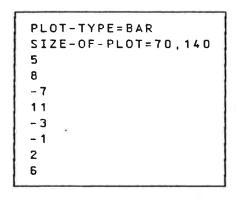
PLOT-TYPE=LINE SIZE-OF-PLOT=210,170 XAXIS=INTEGER XRANGE=0,1 XINTERVALS=0 YAXIS=INTEGER YRANGE = 0,1 YINTERVALS = D CHARACTER-SIZE=10 TEXT-LINE=0.90,0.93,270, TEXT DIAGRAM CHARACTER-SIZE=6 TEXT-LINE=0.75,0.95,270, This text-diagram is TEXT-LINE=0.68,0.95,270, produced by using the TEXT-LINE=0.61,0.95,270, 'TEXT-LINE' command in a line graph. The TEXT-LINE=0.54,0.95,270, graph has only one TEXT-LINE=0.47,0.95,270, TEXT-LINE=0.40,0.95,270, data point (1,1). The TEXT-LINE=0.33,0.95,270, axis labels have to TEXT-LINE=0.26,0.95,270, be erased afterwards.

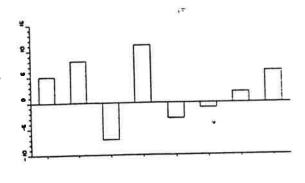
# TEXT DIAGRAM

This text-diagram is produced by using the 'TEXT-LINE' command in a line graph. The graph has only one data point (1.1). The axis labels have to be erased afterwards.

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Product	Name NOTIS BS for ND 100	ND-no.	Category
	NOTIS-BG for ND-100 (Business Graphics) 32 bits fl.	10758B	STPR

Bar chart with both negative and positive values

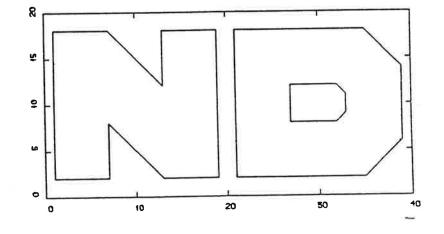




A Second Second

Line chart with non-increasing x-values

```
PLOT-TYPE=LINE
SIZE-OF-PLOT=70,140
1,2
7,2
7,8
13,2
19,2
19,18
13,18
13,12
7,18
1,18
1,2
PLOT-TYPE=LINE
21,2
35,2
39,6
39,14
35,18
21,18
21,2
PLOT-TYPE=LINE
27,8
32,8
33,9
33,11
32,12
27,12
27,8
```



Date 85.05.	Norsk Data A/S PROGRAM DESCRIPTION	-	7 of 16
Product :	Name NOTIS-BG for ND-100 (Business Graphics) 32 bits fl.	ND-no.	Category STPR

# 7.2 ERROR MESSAGES FROM THE GRAPHIC KERNEL

If a text-string in the diagram file exceeds the maximum length specified in the manual, the following error occurs :

* *	GPGS ERROR	17
*	SEVERITY	2
*	CALL NO.	(61.61
*	ROUTINE NO.	140
*	ARGUMENT NO.	0
*	VALUE	• •
* *	GPGS VERSION	8200

This is only a warning from the graphic kernel, and the drawing continues.

If the file BG-PRINTERS is edited wrong (not according to this document), the following error may occur :

* *	GPGS ERROR	13
*	SEVERITY	3
*	CALL NO.	
*	ROUTINE NO.	1
*	ARGUMENT NO.	1
*	VALUE	1.000
* *	GPGS VERSION	8200

The program stops, because the number specifying output device in BG-PRINTERS is unknown.

#### 7.3 NOTIS-BG IN BATCH

If many diagrams are going to be plotted, it could be convenient to run NOTIS-BG in batch. The following batch-job will do it :

ESC, ESC

Date 85.05.	Norsk Data A/S PROGRAM DESCRIPTION	_	8 of 16
Product	Name NOTIS-BG for ND-100 (Business Graphics) 32 bits fl.	ND-no.	Category

# 7.4 PLOTTING ON A3 WITH THE HP-PLOTTER

The plotter may be used both for A4 and A3 sheet sizes. Changing the sheet size on the plotter may be done in two ways :

- By switching one of the switches on the back of the plotter (marked A4 - A3).
- By pressing the 'SIZE' button and the 'ENTER' button simultaneously on the plotter's front panel.

When plotting on a A3 sheet, the 'SIZE-OF-PLOT=' instruction must be used to enlarge the diagram to fit the sheet.

# 7.5 RESTRICTIONS

The following restrictions are not mentioned in the User Manual

- Maximum nuber of points in a line graph is 1000.
- Maximum number of bars in a bar chart is 25 groups with 25 bars each.

### 8 INSTALLATION PROCEDURE

<ul> <li>Prepare the NOTIS terminal</li> </ul>	(see Instruction 1)
<ul><li>Prepare the HP-plotter</li></ul>	(see Instruction 2)
<ul> <li>Prepare the Philips and Epson printers</li> </ul>	(see Instruction 3)
<ul> <li>Prepare the Tektronix color terminal</li> </ul>	(see Instruction 4)
• Start installation job	(see Instruction 5)
• Edit BG-PRINTERS	(see Instruction 6)
A Took NOTIS-RC with the demo files	(see Instruction 7)

#### Instruction 1 : Preparing the NOTIS terminal.

Set these values in the Communications Switches Menu for NOTIS terminals (ND-246 or ND-320 with graphic option) that will be used to view diagrams with NOTIS-BG:

- Communication handshake: XON/XOFF

■ Transmission Code Length: 7 bits

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Product	Name	ND-no.	Category
	NOTIS-BG for ND-100 (Business Graphics) 32 bits fl.	10758B	STPR

- Transmission Code Parity: Even

- Transmission Code Stop Bits: 2

Set the same values for the terminal line like this:

Find the terminal's Logical Device Number with the SINTRAN command DWHO-IS-ON. Continue as shown here, typing the <u>underlined</u> commands and parameters. XXXX represents number provided by system.

asintran-service
\*CHANGE-Data <Logical Device Number>,I,Y,Y,Y
DFLAG/ XXXXXX 1000
CNTREG/ XXXXXX 44005
.

IMPORTANT! The Logical Device Number must be followed by  $^{\circ}$  D $^{\circ}$ . Ex: 53D.

# Instruction 2: Preparing the HP-plotter. (ND-102180)

# Equipment:

\*EXIT

š

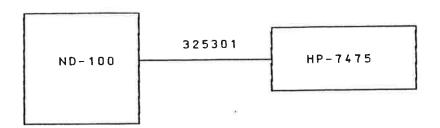
- HP-7475 A3/A4 plotter
- 325301 Cable between ND-100 and HP-7475.
- = <u>OR</u> 2 local KM-1D modems connected to each other, with 325345 Cable between ND-100 and one modem, and 325300 Cable between the other modem and the HP-7475.

#### Connection:

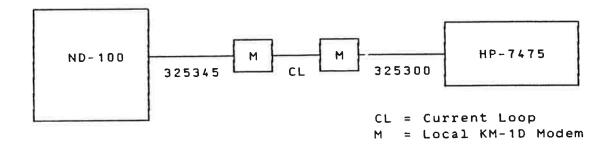
- Set the switches at the back of the plotter for 9600 BAUD, A4 paper, direct line and even parity (7 bit character length): 010001010. For further details, see pages 2-21 and 2-23 in the Operation and Interconnection Manual accompanying the HP-plotter.
- Obtain a terminal line with an RS-232 interface to the ND-100.
- Connect cables in one of the following configurations:

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Product	Name NOTIS-BG for ND-100 (Business Graphics)	32 bi	ts fl.	ND-no. 10758B	Category STPR

Alternative 1: Direct cable between ND-100 and HP-7475.



Alternative 2 : Connection via 2 local KM-1D modems.



- Log in as user SYSTEM and set a file name for the line:

# SET-PERIPH-FILE <file name>, <Logical Device Number>

Our plotter has the file name HP-PLOTTER and Logical Device Number 54D. The command is thus:

# SET-PER-FILE "HP-PLOTTER", 54D

Define the file access so that a user who will be working with the plotter has file access RWC(D):

# SET-FILE-ACCESS HP-PLOTTER, RWC, RWC, RWCD

Find the background program for the terminal line with the SINTRAN command @LIST-DEVICE, and abort the background program:

DLIST-DEVICE <Logical Device Number>.0
NNNN
DABORT NNNN

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Product	Name NOTIS-BG for ND-100 (Business Graphics)	32 bit	s fl.	ND-no. 10758B	Category STPR.

Note the address of the line's background program (represented hereby XXXXX) for future use; then set the address to 0:

# DSINTRAN-SERVICE

- \*REMOVE-FROM-BACKGR-TABLE < Logical Device No.>, I, Y, Y, Y
- \*CHANGE-DATAFIELD (LDN), I, Y, Y, Y

DBPROG/ XXXXXX O

\*EXIT

The transmission speed on the logical device has to be set according to the setting on the plotter. This speed has to be set explicitly, and is done by the following procedure:

# DSINTRAN-SERVICE

\*CHANGE-DATAFIELD (LDN), I, Y, Y, Y

TSPEED/ XXXXXX 210

(for 9600 baud)

÷ \*EXIT

For terminal-lines, TSPEED is often set to -1 (177777), which means that the transmission is done according to the terminal setting (soft-switches). This will not work on the plotter!! The transmission speed has to be set on the terminal-card for a whole four-group before starting the machine. (Redefinision in software may be done afterwards).

- If you wish, output a test program to the plotter. See the Operation and Interconnection Manual that accompanies the HP-plotter.
- IMPORTANT! Before the plotter begins to draw, a green light blinks on the control panel. Press the plotter's ENTER button.

# Instruction 3: Preparing the Philips and Epson printers.

Philips ND-447 and ND-448 is set up as usual. There are no special requirements. NOTIS-BG takes care of switching between graphic and alphanumeric modes.

#### NOTE!!

The first versions delivered of the ND-447 had an hardware-error, which results in some black points scattered on the output. This may be corrected by the hardware service people.

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Epson ND-424 is connected to a NOTIS terminal as a local printer, but the printer is not used as a local one. (Use Cable 325356). Output to the printer is sent via the terminal, which hangs during printing.

Setting of DIP-switches 📧

DIP NO	Switch	ОИ	OFF
1	1 2 3 4 5 6 7 8	•	•
2	1 2 3 4	•	•

Read the instructions accompanying the Epson with regard to switch settings.

On some ND-246 terminals, we have discovered an error in the printer interface, which leads to buffer overflow on the printer and wrong printout.

NOTE!! When printing on Philips or Epson, conversion from vector information to raster information is necessary. This conversion is very time-consuming, especially when printing diagrams with hatched or filled areas.

# Instruction 4 : Prepare the Tektronix color terminal.

### Equipment:

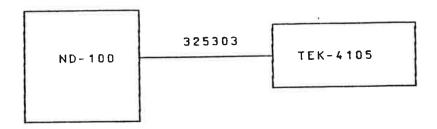
- Tektronix 4105 color graphics terminal
- 325303 Cable between ND-100 and TEK-4105
- $\frac{-0.08}{1000}$  2 local KM-1D modems connected to each other, with 325345 Cable between ND-100 and one modem, and 325305 Cable between the other modem and the TEK-4105

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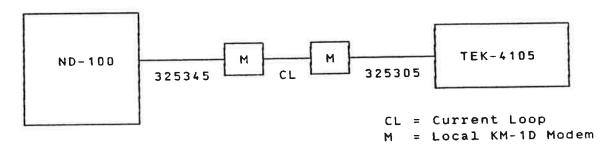
### Connection:

The Tektronix terminal needs RS232/C interface on the machine. The connection is done in one of two ways :

Alternative 1: Direct cable between ND-100 and TEK-4105.



Alternative 2 : Connection via 2 local KM-1D modems.



These possible connections are the same as for the HP-7475 plotter (see instruction 2), but the cables are different.

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Read the instructions following the terminal about how to set software switches.

The following switch-setting for communication is recommended:

ЕСНО	NO
IGNOREDEL	NO
BAUDRATE	9600,9600
XMTLIMIT	1200
STOPBITS	2
XMTDELAY	0
PARITY	EVEN
PROMPTSTRING	'>'
PROMPTMODE	NO
QUEUESIZE	800
FLAGGING	IN/OUT
EOMCHARS	CR/LF
EOLSTRING	'CR'
EOFSTRING	((•):>•):
BREAKTIME	200
BYPASSCANCEL	CR

Set the same values for the terminal line like this:

Find the terminal's Logical Device Number with the SINTRAN command DWHO-IS-ON. Continue as shown here, typing the <u>underlined</u> commands and parameters. XXXX represents number provided by system.

@SINTRAN-SERVICE
\*CHANGE-DATA <Logical Device Number>,I,Y,Y,Y
DFLAG/ XXXXXX 1000
CNTREG/ XXXXXX 44005
\*EXIT

IMPORTANT! The Logical Device Number must be followed by "D". Ex: 53D.

Instruction 5 : Start installation job.

The installation is done by starting the installation job which resides on diskette 10758B00-EN-1 (or 10758B00-N0-1) :

# a(10758800-EN-1:FLOPPY-USER) INST-BG132-B00

The installation program will ask for all necessary information. When installing NOTIS-BG, the user may have an account to temporarily store brf-files which will be deleted afterwards. (Necessary storage requirements is specified in the beginning of this document).

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Please study all notes and messages from the installation program carefully.

The files BG-LOAD:LOGG and BG-DUMP:LOGG will be created on user SYSTEM, and contains information about the installation. They should not be deleted. The files X-COM-nn:SAVE and X-COM-nn:MODE (where nn is terminal number on the terminal used for installation) should be deleted after installation. (They can not be deleted automatically in the installation job).

# Instruction 6 : Editing BG-PRINTERS.

The device's logical name, SINTRAN file name, GPGS driver number and (optional) plotter speed must be defined for each output device (Screen, plotter or printer) in BG-PRINTERS.

Whichever output device is defined first will be the default output adevice for NOTIS-BG.

<u>Device logical name</u> is used with NOTIS-BG to identify the specific printer or plotter desired. Each individual output device must have a unique name. Ex: The HP-plotter in Ann's office could be HPANN.

GPGS-driver	numbers	a <u>r</u> e	<u>:</u>	NOTIS	termina	1	20
	-	-		Tektro	onix-410	5	62
				Epson	printer	•	206
				Philip	ps print	er	306
				HP-pl	otter	×	X 0 4

The two first digits in the driver number for the HP-plotter are the Logical Device Number. If the plotter has line 54D, the driver number is 5404. (Only Logical Device Numbers with two digits are accepted!)

For the HP-plotter you have the option of specifying plotter speed. Speed is controlled by placing a number from 1 to 100 after the driver number. 100 is the default value. To plot on transparencies, the speed should be reduced by using a low number, for example 5.

Edit with CAPITAL LETTERS and use a comma to separate parameters. Comments must begin with CC or follow the final parameter. See also the accompanying example on BG-PRINTERS.

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Instruction 7: Test NOTIS-BG with the demo files.

Start NOTIS-BG:

DIAGRAM FILE NAME : BG-EX01

OUTPUT DEVICE NAME (cr for SCREEN) :←J

Continue to test with other demo files (NNN:PLOT).

You ought to be able to produce diagrams on the screen, plotter or printer. If you choose the plotter as the output device, remember to press the ENTER button on the plotter to allow it to begin drawing.

To exit from NOTIS-BG, press the EXIT key or type EXIT