ND SOFTWARE LIBRARY DISKETTE

Containing :
SPRINT Spooling System

User Name : **FLOPPY-USER**

No	File name	Type T	Public	Friend	Own	Pages	Bytes
0	SSY-MAIN-A02	PROG I	R	R	R	125	401408

1   file   using 125   pages.   148 pages reserved out of 148 pages.

ND SOFTWARE LIBRARY DISKETTE

Containing :
SPRINT Spooling System

Directory Name :
211056A02-XX-02S

User Name : **FLOPPY-USER**

No	File name	Type	T	Public	Friend	Own	Pages	Bytes
0	DDBTABLES-E07	VTM	I	R	R	R	17	32448
1	SSY-SECO-A02	PROG	I	R	R	R	94	401408

2   files using 111 pages.   148 pages reserved out of 148 pages.

Containing :
SPRINT Spooling System

User Name : **FLOPPY-USER**

No	File name	Type T	Public	Friend	Own	Pages	Bytes
0	SSY-PSHA-A02	PROG I	R	R	R	40	397312
1	VISI-SERVER-A02	PROG I	R	R	R	67	294912

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

ND SOFTWARE LIBRARY DISKETTE

Containing :
SPRINT Spooling System

Directory Name :
211056A02-XX-04S

User Name : **FLOPPY-USER**

No	File name	Type T	Public	Friend	Own	Pages	Bytes
0	**SSY-SERVER-A02**	**PROG I**	**R**	**R**	**R**	97	223232

1   file   using   97   pages.   148 pages reserved out of 148 pages.

ND SOFTWARE LIBRARY DISKETTE

Containing :
SPRINT Spooling System

Directory Name :
211056A02-XX-05S

User Name : **FLOPPY-USER**

No	File name	Type	T	Public	Friend	Own	Pages	Bytes
0	PRM-SERVER-A02	PFIL	I	R	R	R	66	131584
1	PRM-SERVER-A02	DFIL	I	R	R	R	50	99328

2   files using 116   pages.   148 pages reserved out of 148 pages.

Containing :
SPRINT Spooling System

User Name : **FLOPPY-USER**

No	File name	Type	T	Public	Friend	Own	Pages	Bytes
0	**SSYLIB-500-A02**	**NRF**	**I**	**R**	**R**	**R**	87	162755

1 file using 87 pages.   148 pages reserved out of 148 pages.

ND SOFTWARE LIBRARY DISKETTE

Containing :
SPRINT Spooling System

User Name : **FLOPPY-USER**

No	File name	Type	T	Public	Friend	Own	Pages	Bytes
0	**SSYLIB-2B-A02**	BRF	I	R	R	R	81	162015

1 file using 81 pages.   148 pages reserved out of 148 pages.

ND SOFTWARE LIBRARY DISKETTE

Containing :
SPRINT Spooling System

Directory Name :
211056A02-XX-08S

User Name : **FLOPPY-USER**

No	File name	Type	T	Public	Friend	Own	Pages	Bytes
0	SSYLIB-1B-A02	BRF	I	R	R	R	72	144169
1	SSYLIB-A02	DEFS	I	R	R	R	3	3809
2	SSYLIB-A02	IMPT	I	R	R	R	2	798

3   files using   77   pages.   148 pages reserved out of 148 pages.

ND SOFTWARE LIBRARY DISKETTE

Containing :
SPRINT Spooling System

User Name : **FLOPPY-USER**

No	File name	Type	T	Public	Friend	Own	Pages	Bytes
0	SSY-MAIN-A02	PROG	I	R	R	R	125	401408
1	SSY-SECO-A02	PROG	I	R	R	R	61	401408
2	SSY-SERVER-A02	PROG	I	R	R	R	97	223232
3	SSY-PSHA-A02	PROG	I	R	R	R	40	397312
4	VISI-SERVER-A02	PROG	I	R	R	R	67	294912
5	PRM-SERVER-A02	PFIL	I	R	R	R	66	131584
6	PRM-SERVER-A02	DFIL	I	R	R	R	50	99328

7 files using 506 pages. 610 pages reserved out of 610 pages.

ND SOFTWARE LIBRARY DISKETTE

Containing :
SPRINT Spooling System

Directory Name :
211056A02-XX-02D

User Name : **FLOPPY-USER**

No	File name	Type	T	Public	Friend	Own	Pages	Bytes
0	SSYLIB-500-A02	NRF	I	R	R	R	81	162755
1	SSYLIB-1B-A02	BRF	I	R	R	R	72	144169
2	SSYLIB-2B-A02	BRF	I	R	R	R	81	162015
3	SSYLIB-A02	DEFS	I	R	R	R	3	3809
4	SSYLIB-A02	IMPT	I	R	R	R	2	798
5	DDBTABLES-E07	VTM	I	R	R	R	17	32448

6   files using 256   pages.   610 pages reserved out of 610 pages.

ND SOFTWARE LIBRARY DISKETTE

Containing :
SPRINT Spooling System
(English version)

Directory Name :
211056A02-EN-01S

User Name : **FLOPPY-USER**

No	File name	Type	T	Public	Friend	Own	Pages	Bytes
0	SSY-INST-A02	PROG	I	R	R	R	46	151360
1	SSY-INST-EN-A02	COM	I	R	R	R	49	77143

2   files using   95   pages.   148 pages reserved out of 148 pages.

ND SOFTWARE LIBRARY DISKETTE

Containing :
SPRINT Spooling System
(English version)

Directory Name :
211056A02-EN-02S

User Name : **FLOPPY-USER**

No	File name	Type	T	Public	Friend	Own	Pages	Bytes
0	SSY-PICT-EN-A02	CONF	I	R	R	R	22	171232
1	SSY-PICT-EN-A02	NDPF	I	R	R	R	37	73728

2   files using   59   pages.   148 pages reserved out of 148 pages.

ND SOFTWARE LIBRARY DISKETTE

Containing :
SPRINT Spooling System
(English version)

Directory Name :
211056A02-EN-03S

User Name : **FLOPPY-USER**

No	File name	Type	T	Public	Friend	Own	Pages	Bytes
0	UE-ERMSG-EN-C06	ERR	I	R	R	R	119	241664

1   file   using 119   pages.   148 pages reserved out of 148 pages.

ND SOFTWARE LIBRARY DISKETTE

Containing :
SPRINT Spooling System
(English version)

Directory Name :
211056A02-EN-04S

User Name : **FLOPPY-USER**

No	File name	Type T	Public	Friend	Own	Pages	Bytes
0	UE-ERMSG-EN-C06	ERR I	R	R	R	119	241664

1   file   using 119   pages.   148 pages reserved out of 148 pages.

ND SOFTWARE LIBRARY DISKETTE

Containing :
SPRINT Spooling System
(English version)

Directory Name :
211056A02-EN-01D

User Name : FLOPPY-USER

No	File name	Type	T	Public	Friend	Own	Pages	Bytes
0	SSY-PICT-EN-A02	CONF	I	R	R	R	22	171232
1	SSY-PICT-EN-A02	NDPF	I	R	R	R	37	73728
2	SSY-INST-A02	PROG	I	R	R	R	46	151360
3	SSY-INST-EN-A02	COM	I	R	R	R	49	77143
4	UE-ERMSG-EN-C06	ERR	I	R	R	R	119	241664

5   files using 273   pages.   610 pages reserved out of 610 pages.

ND SOFTWARE LIBRARY DISKETTE

Containing :
SPRINT Spooling System
(Norwegian version)

Directory Name :
211056A02-NO-01S

User Name : **FLOPPY-USER**

No	File name	Type	T	Public	Friend	Own	Pages	Bytes
0	SSY-INST-A02	PROG	I	R	R	R	46	151360
1	SSY-INST-NO-A02	COM	I	R	R	R	39	77245

2   files using   85   pages.   148 pages reserved out of 148 pages.

ND SOFTWARE LIBRARY DISKETTE

Containing :
SPRINT Spooling System
(Norwegian version)

Directory Name :
211056A02-NO-02S

User Name : FLOPPY-USER

No	File name	Type	T	Public	Friend	Own	Pages	Bytes
0	SSY-PICT-NO-A02	CONF	I	R	R	R	22	171242
1	SSY-PICT-NO-A02	NDPF	I	R	R	R	37	71680

2   files using   59   pages.   148 pages reserved out of 148 pages.

ND SOFTWARE LIBRARY DISKETTE

Containing :
SPRINT Spooling System
(Norwegian version)

Directory Name :
211056A02-NO-03S

User Name : FLOPPY-USER

No	File name	Type	T	Public	Friend	Own	Pages	Bytes
0	UE-ERMSG-EN-C06	ERR	I	R	R	R	119	241664

1 file using 119 pages.   148 pages reserved out of 148 pages.

ND SOFTWARE LIBRARY DISKETTE

Containing :
SPRINT Spooling System
(Norwegian version)

Directory Name :
211056A02-NO-04S

User Name : FLOPPY-USER

No	File name	Type	T	Public	Friend	Own	Pages	Bytes
0	UE-ERMSG-NO-C06	ERR	I	R	R	R	122	247808

1   file   using 122   pages.   148 pages reserved out of 148 pages.

ND SOFTWARE LIBRARY DISKETTE

Containing :
SPRINT Spooling System
(Norwegian version)

Directory Name :
211056A02-NO-01D

User Name : **FLOPPY-USER**

No	File name	Type	T	Public	Friend	Own	Pages	Bytes
0	SSY-PICT-NO-A02	CONF	I	R	R	R	22	171242
1	SSY-PICT-NO-A02	NDPF	I	R	R	R	37	71680
2	SSY-INST-A02	PROG	I	R	R	R	46	151360
3	SSY-INST-NO-A02	COM	I	R	R	R	39	77245
4	UE-ERMSG-EN-C06	ERR	I	R	R	R	119	241664
5	UE-ERMSG-NO-C06	ERR	I	R	R	R	122	247808

6   files using 385   pages.   610 pages reserved out of 610 pages.

Program: ALL
Title: Revision A02 : Improvements and error corrections.

- -

SPRINT A02 revision information.
=================================
IMPROVEMENTS IN FUNCTIONALITY:

- Faster user interface.
  When executing SUPERVICE/SET UP SPRINT/SET UP PRINTERS
  and   SUPERVICE/SET UP SPRINT/SET UP FORMS
  commands, changing screen picture is much faster.

- Edit form command.
  It is now possible to edit a form description.

- Supporting IN-GRAPH directive in NOTIS-WP.
  Possible to print NOTIS-WP-N documents with
  illustrations made in NOTIS-BG version C or NOTIS-DRAW
  version B included in the text.
  A new rtprogram called VISIOxx has to be installed
  for every graphics printer to be used. This is explained
  further in the installation program.

- Supporting NET/ONE.
  It is now possible to get full use of a NIU connected
  printer by defining it in SPRINT. Sprint will connect
  to the printer while printing the document, and
  disconnect after printing.The SINTRAN III device and the
  peripheral file will be reserved by SPRINT all the time.
  The printername in SPRINT must be the same as the
  Net/One printer name.

- New printer.
  The new ND720 printer driver is included. Full graphic
  support will not be possible before A03 revision.

- ND-616 printer and other 8-bit printers.
  All 8-bit printers will now be supported by SPRINT not
  only from SSY-lib, but for users of old applications not
  updated with the last printertypes.
  Files from SIII spooling-queue will be parity-checked
  and National characters will be printed according to the
  nationality in the form used.

CHANGES IN PREREQUISITES:
- Minimum number of segment is now 4

  Xmsg-space requirement is
  minimum
  (no.of active printer programs
  + no.of active vision programs) * 0.25 + 0.5 pages
  maximum
  (no.of active printer programs
  + no.of active vision programs) * 0.25 + 0.5 pages

FILE NAMES:

  SSY-PPICT-<lang>-A<rev>:CONF is no longer necessary

  SSY-PPICT-<lang>-A<rev>:NDPF is no longer necessary

  SSY-PCOMMUN-<lang>-A<rev>:PROG is no longer necessary

  VISI-SERVER-A<REV>:PROG containing graphic server

NOTE : SPRINT MUST BE INSTALLED BY THE INSTALLATION PROGRAM

ERRORS CORRECTED:

- The installation program is changed to the better in
  various ways. It is no longer neccessary to close
  DDBTABLES and UE-ERMSG files before installing SPRINT.

- Number of blank sheets between printouts is reduced.

- Error from TLIB : 41454B - 'invalid parameter length' is
  corrected.

- Print from NOTIS-TF (using SSY-append) to remote printer
  giving too long filename (more than 172 characters) will
  still be printed, if appending filetype by SPRINT is
  adequate to give correct file name.

- IN-BG directive gives full support on remote printers.
  If document appended in SPRINT with remote file-syntax
  (from NOTIS-TF) SPRINT uses the main documents machine and
  user syntax in the included document. Error in opening
  included file will give error message on printout.

- Stack overflow when starting SPRINT from some terminals
  e.g by some Ue-users depending on Ue-language, is
  corrected.

KNOWN BUT NOT CORRECTED ERRORS:

- Printouts from SIII-spooling queue ending with Form feed
  will give one extra formfeed. This is because SPRINT does
  not know whether the printout is formatted or not.
- Problems with SPRINT not deleting spool-files on ND-SPOOL-
  AREA after use,(index page of the spool-file used is not
  deleted) will after some time take 250 pages just for the
  spool file entries. If the user has not given ND-SPOOL-
  AREA more than 250 pages,problems will occur. If it is
  not possible to give ND-SPOOL-AREA more pages, one can
  patch the spooling server to create wanted amount of
  spooling files.

  First it is neccessary to stop SPRINT
    @SPRINT /STOP-SPRINT

    @LOOK-AT ALT-SEG SSYSEG
    24/ 100   % OLD VALUE = 000377
       .   % NUMBER OF SPOOLFILE IS HERE 100
                   % AS AN EXAMPLE

  Remember to start SPRINT again
    @SPRINT /START-SPRINT

- Problems whith disconnecting Net/One printers because
  Net/One is clearing its output-buffers when receving dis
  connect from SPRINT. Result : The end of some documents
  depending on length of last buffer is lost.
  We have corrected this by delaying disconnect after
  sending last character. The length of the delay can
  be patched.

Rules: If time between documents printed on an net-printer
       is too long, and you have a fast working printer you
       can SHORTEN delay time.

       @list-rt-description prmxx   % wanted printers prm
       @look-at segment <segno>   % prmxx's segment 2
       44122/00745   % old value 001750
            .   % halfed.

       If data in end of documents printed on a net-printer
       is lost, you must INCREASE delay time.

       @list-rt-description prmxx % wanted printers prm
       @look-at segment <segno>   % prmxx's segment 2
       44122/03720   % old value 001750
            .   % doubled
If SPRINT is running you must either stop SPRINT or
close down the printer before patching the prm.

For both patches:

If the patch is to be permanent you must put it in
hent-mode file after loading sprint (@MODE (nd-op)sprint-
load:mode) and before starting SPRINT.

Product	Name SPRINT Spooling System	Reg. no. 211056A	Category STIN
Reason	X New product		
Documen- tation	Title SPRINT User Guide SPRINT Bruker Håndbok		Reg. no. 60.252.1.EN 60.252.1.NO
Purpose	Printer and print-queue management. Conversion of files to suit the different printer types		

Prerequisites

Computer	Type	Floating format	Op. system Version
100	All	All	SIN III-VSE K patchfile >= 1000
100	All	All	SIN III-VSX K patchfile >= 3000
100	All	All	SIN III-VSE/VSX J patchfile >= 12000

Reg. no.	Product name
210373I	X-MESSAGE

Minimum mass storage resources for installation

User	User space		Number of files
ND-OPERATIONS	720	pages on	10 files
ND-SPOOL-AREA	100	pages on	0 files
SYSTEM	100	pages on	4 files

Minimum permanent mass storage resources

User	User space		Number of files
ND-OPERATIONS	800	pages on	12 files
ND-SPOOL-AREA	100	pages on	0 files

Max/Min number of RT-descriptions: Max 151 Min 1
Max/Min number of segments: Max 80 Min 5

Space requirements on segment file(s) is:
if no local printers then

558 pages

else

(number of printer programs * 41) + 620 pages

endif

XMSG-space requirements is:
minimum
(number of active printer programs * 0.25) + 0.5 pages
maximum
(number of active printer programs * 0.5) + 0.5 pages

	Reg. no. for Source 250189A

Product	Name SPRINT Spooling System	Reg. no. 211056A	Category STIN

File Name	Type	Containing
SSY-SERVER-A<rev>	PROG	Spooling server
PRM-SERVER-A<rev>	PFIL	Printer server prog part
PRM-SERVER-A<rev>	DFIL	Printer server data part
SSY-MAIN-A<rev>	PROG	Sprint user module
SSY-SECO-A<rev>	PROG	Sprint user module
SSY-PSHA-A<rev>	PROG	Sprint config. module
SSY-PCOMUN-A<rev>	PROG	Sprint config. module
SSYLIB-A<rev>	DEFS	SSY program lib., types
SSYLIB-A<rev>	IMPT	SSY program lib., import
SSYLIB-1B-A<rev>	BRF	SSY program lib., 1-bank
SSYLIB-2B-A<rev>	BRF	SSY program lib., 2-bank
SSYLIB-500-A<rev>	NRF	SSY program lib., 500
SSY-PICT-<lang>-A<rev>	CONF	Formsfile
SSY-PICT-<lang>-A<rev>	NDPF	Formsfile
SSY-PPICT-<lang>-A<rev>	CONF	Formsfile
SSY-INST-A<rev>	PROG	Installation program
SSY-INST-<lang>-A<rev>	COM	Installation comm file
DDBTABLES-E<rev>	VTM	Terminal tables
UE-ERMSG-<lang>-C<rev>	ERR	Error messages

NOTE: <rev> is to be replaced by the current revision of the
DIRECTORY or FILE. The revision level is found on the
preceding "ND SOFTWARE LIBRARY DISKETTE" pages.

<lang> is to be replaced by the relevant language version.

1 KNOWN, BUT NOT CORRECTED ERRORS

- The global name of the system (machine) has to be defined
  first in XMSG (alternatively the first name of the system
  in the local XMSG tables must be known at the remote
  system). Otherwise appending of a local file to a remote
  printer will result in an error both from SPRINT's screen
  handling program (which will crash in an ugly way), and
  from SSYLIB (which will return errorstatus -1).

- After printing on a personal printer (connected to a
  terminal) the application program should do Vtinit (VTM-
  library) or in some other way reset the terminal to secure
  correct initialization.

- Error number 14592 (34400B) did not get into the english
  manual. It means 'Printer name already used'.

Product	Name SPRINT Spooling System	Reg. no. 211056A	Category STIN

CHANGES

- Personal printers are now fully supported

- The ND-616CN printer is supported

- JEC is supported

- The system is optimized with respect to segment space and speed of printing

3 MISCELLANEOUS

If your system is heavily loaded, you may run into problems with the communications with the printer management modules as they are running on low priority by default. If you look at the file (ND-OPERATIONS)SPRINT-LOAD:MODE after running the installation, you´ll see that the PRMs and PRDs (e.g. PRM00) are declared with priority 30B while the PRMOs and PRDOs (e.g. PRMO00) are declared with priority 40B. These figures may be increased somewhat, but make shure that the PRMO and PRDO programs has higher priority than the PRM and PRD programs.

4 INSTALLATION PROCEDURE

The system may be delivered on:

  A -   1.2 Mbyte, 8 inch or 5 1/4 inch double-sided diskettes
    or
  B -   0.3 Mbyte, 8 inch single-sided diskettes

Use the same kind of diskettes ("A" or "B") throughout the whole installation procedure. You may install (1) the SPRINT basic modules with desired language, (2) add desired language to existing SPRINT or (3) change the number of printer control modules. The installation procedure is fully interactive, which means that once started, it will continuously check the operation. It will inform the operator if any error(s) occurs and of what to do to proceed.

The operator is also asked some questions about the specific configuration. By typing "?" and "↵" some additional information is provided.

How to start the installation:

  - The installation must be run from SINTRAN.
  - Log in as SINTRAN user name SYSTEM.
  - Insert the diskette containing the directory name
    211056A<rev>-<lang>-01 into the diskette station.
  - Execute these commands (operator input is underlined and
    parameters are enclosed in angle brackets):

    @ENTER-DIRECTORY,211056-<lang> FLOPPY-DISC-<drive> <floppy-unit>↵

    @(211056:FLOPPY-USER)SSY-INST-A<rev>↵

The installation procedure will now start. It is self-explanatory.

How to update your HENT-MODE, LOAD-MODE and STOP-MODE files:

When you install the system, remember to insert

    @MODE (ND-OPERATIONS)SPRINT-LOAD:MODE,, in your HENT-MODE file

and

    @SPRINT /STOP-SPRINT in any STOP-MODE files

and

    @SPRINT /START-SPRINT in your LOAD-MODE file
after the START-SPOOLING commands, but before any appending of SETUP-files for the printers (this is very important because otherwise the running of SETUP will be aborted and the printer will be incorrectly initialized). NOTE: Remember to run SETUP-files with status 'UNCONVERTED' if you append them to the SPRINT-queues.