



# **SPINAL CORD DYSFUNCTION INSTALLATION GUIDE**

Version 2.0

January 1997

Department of Veterans Affairs  
Software Service  
Clinical Support Product Line





## Table of Contents

# Installation Information

This package was created using Kernel V. 8.0 and VA FileMan V. 21.0.

## Minimum requirements:

VA FileMan V. 21.0	Kernel V. 8.0
PIMS V. 5.3	Health Summary V. 2.5

## Additional requirements in order to use all the possible functionality:

Lab V. 5.1	National Drug File V. 2.0
Unit Dose V. 2.13	Outpatient Pharmacy V. 6.0
DRG Grouper V. 10.0	Radiology/Nuclear Medicine V. 4.5

## Environment Check Routine

This version of Spinal Cord Dysfunction can only be installed as a virgin installation or over version 1.5. If you have version 1.0 running you will receive the following message:

```
You are trying to install Version 2.0 of SCD over version  
1.0. Please first install SCD version 1.5 then install SCD  
Version 2.0
```

## Pre-Installation Routine

This routine deletes fields in File #154 and files that were starred for deletion in version 1.5.

## Post Installation Routine

This routine converts the old patient data to the new fields:

Swaps the Date of Onset Field with the Etiology field making the Etiology field the .01 of the multiple in File #154,

Updates records noting patients who have expired,

Moves the date data in Last Physical Exam to the new fields for Annual Rehab Offered and Annual Rehab Received, and

Moves the VA Facility data from File #154.1 to node 3 in File #154.

## Prior to Installation

- This installation requires patch VAQ\*1.5\*11 (CREATE SEGMENT USING HLTH SUMM COMP) to be installed.
- Spinal Cord Dysfunction V. 2.0 is distributed in KIDS (Kernel Installation and Distribution System) format. You will use KIDS to install this software. If you are not familiar with KIDS installations, please read your KIDS documentation before you install this software.
- There is no need to delete the Spinal Cord Dysfunction routines prior loading this version.
- Make sure you have the required packages/files installed. See list on page 1.
- All users of the package should log off. All others may remain on-line.
- On MSM systems the installation process will prompt you to move the package's routines to other CPUs. If you inhibit logons to the CPUs receiving the routines, you must shut down TaskMan otherwise the routines will not be moved.
- Backup the system.
- Disable mapping if applicable.
- Disable journalling, if applicable (SPNL\* global).
- Invoke the KIDS menu to load the Spinal Cord Dysfunction V. 2.0 distribution global (SPN2\_0.KID). Use the KIDS Print Transport Global option if you wish to obtain a complete listing of package components (e.g., routines, options) sent with this Distribution file.
- Use the KIDS option Verify Checksums in the Transport Global.
- Run the KIDS Install Package(s) option.
- Installation examples are on Alpha systems and assume TaskMan is running.

## Post Installation

- Move the SCD routines (SPN\*) onto all your systems, if applicable.
- Enable journalling, if applicable.
- For multiple CPUs, the ^SPNL global must be translated.
- Assign security keys to the appropriate users if this is a virgin install. (See Security Keys under the Security chapter in the Spinal Cord Dysfunction Technical Manual.
- Prior to version 2.0, the transmissions to the National Registry were tasked by running the option Schedule Transmissions to Nat'l Registry [SPNL SCHEDULETRANS]. Delete the task that was created by running that option. Failure to do this will cause double transmissions to the National Registry.
- The Task Transmissions to Nat'l Registry [SPNL TASKED XMIT] option, not assigned to any menu, allows for scheduling data extractions for the National Registry. Use the Taskman Schedule/Unschedule Options [XUTM SCHEDULE] to schedule this task. It is suggested that SCI Centers task the option to run every one to two weeks, and other sites once a month. Only new or edited records will be transmitted to the National Registry.
- Assign menu options to the appropriate users if this is a virgin install.
- The Spinal Cord Dysfunction [SPN MAIN MENU] menu is the main menu for the package and should be assigned to the package ADPAC. It contains the SCD Package Management Menu [SPNL MANAGEMENT] which is used in set-up and maintenance of the software and the SCD Coordinator Menu [SPNL COORDINATOR] for the end users. Remind the package ADPAC to review the options under the SCD Package Management Menu for any necessary changes. More complete information on this menu is provided in the technical manual. The SCD Coordinator Menu [SPNL COORDINATOR] should be assigned to the end users who input patient data.
- Give the package ADPAC a copy of the Implementation and Maintenance chapter of the Spinal Cord Dysfunction Technical Manual. Further set-up and maintenance can be done by that user.
- Use the KIDS Install File Print option if you wish to print out the results of the installation process.

## Name/Number Spacing

The namespace assigned to the Spinal Cord Dysfunction package is SPN. All routines, globals, options, edit and print templates start with these characters. All files use the ^SPNL global.

The Spinal Cord Dysfunction package numberspace is 154 through 154.94.

## **Journalling**

It is highly recommended that the ^SPNL global be journalled.

## **Disk Storage Requirements**

Disk storage is expected to be nominal. No site is expected to require more than a megabyte of storage for the SCD package.

Current estimates indicate approximately 150 bytes per Registry record and 100 bytes per Functional Status record. The reference file storage is estimated at approximately 50 K bytes.



# Virgin Installation (Example)

D ^XUP

Setting up programmer environment  
Terminal Type set to: C-VT320

Select OPTION NAME: **EVE**                      Systems Manager Menu

```

      Core Applications ...
      Device Management ...
FM    VA FileMan ...
      Manage Mailman ...
      Menu Management ...
      Programmer Options ...
      Operations Management ...
      Spool Management ...
      System Security ...
      Taskman Management ...
      User Management ...
      Application Utilities ...
      Capacity Management ...
      MailMan Menu ...
```

Select Systems Manager Menu Option: **P**rogrammer Options

```

KIDS  Kernel Installation & Distribution System ...
NTEG  Build an 'NTEG' routine for a package
PG    Programmer mode
      Calculate and Show Checksum Values
      Delete Unreferenced Options
      Error Processing ...
      Global Block Count
      List Global
      Map Pointer Relations
      Number base changer
      Routine Tools ...
      Test an option not in your menu
      Verifier Tools Menu...
```

Select Programmer Options Option: **KIDS**    Kernel Installation & Distribution System

```

      Edits and Distribution ...
      Utilities ...
      Installation ...
```

Select Kernel Installation & Distribution System Option: **I**nstallation

```

1      Load a Distribution
2      Verify Checksums in Transport Global
3      Print Transport Global
4      Compare Transport Global to Current System
```

## Virgin Installation

- 5 Backup a Transport Global
- 6 Install Package(s)  
Restart Install of Package(s)  
Unload a Distribution

Select Installation Option: **Load** a Distribution  
Enter a Host File: SPN2\_0.KID

KIDS Distribution saved on Oct 30, 1996@13:48:18  
Comment: SPINAL CORD DYSFUNCTION 2.0

This Distribution contains Transport Globals for the following Package(s):  
SPINAL CORD DYSFUNCTION 2.0

Want to Continue with Load? YES// **YES**  
Loading Distribution...

Want to RUN the Environment Check Routine? YES// **<RET>**  
SPINAL CORD DYSFUNCTION 2.0  
Will first run the Environment Check Routine, SPNLENV

Use INSTALL NAME: SPINAL CORD DYSFUNCTION 2.0 to install this Distribution.

- 1 Load a Distribution
- 2 Verify Checksums in Transport Global
- 3 Print Transport Global
- 4 Compare Transport Global to Current System
- 5 Backup a Transport Global
- 6 Install Package(s)  
Restart Install of Package(s)  
Unload a Distribution

Note: At this point, you may want to run the Verify Checksums in Transport Global option. If any of the routine checksums fail, you should contact your IRM Field Office and not proceed with the installation process. You may also want to use the option Print Transport Global to obtain a listing of what you will be receiving and what will be deleted with the installation of this version.

Select Installation Option: **6** Install Package(s)  
Select INSTALL NAME: SPINAL CORD DYSFUNCTION 2.0      Loaded from Distribution  
10/30/96@14:02:16  
=> SPINAL CORD DYSFUNCTION 2.0 ;Created on Oct 30, 1996@13:48:18

This Distribution was loaded on Oct 30, 1996@14:02:16 with header of  
SPINAL CORD DYSFUNCTION 2.0 ;Created on Oct 30, 1996@13:48:18  
It consisted of the following Install(s):  
SPINAL CORD DYSFUNCTION 2.0

SPINAL CORD DYSFUNCTION 2.0  
Will first run the Environment Check Routine, SPNLENV

Install Questions for SPINAL CORD DYSFUNCTION 2.0

- 154 SCD (SPINAL CORD) REGISTRY
- 154.01 SCD NLOI CATEGORY (including data)
- 154.03 ETIOLOGY (including data)
- 154.1 FUNCTIONAL STATUS
- 154.11 FUNCTIONAL STATUS LEVEL (including data)
- 154.2 SCD KURTZKE-EDSS (including data)
- 154.8 AD HOC MACRO
- 154.9 PATIENT TRANSMISSION STATUS
- 154.91 SCD SITE PARAMETERS
- 154.92 SCD FILTER (including data)
- 154.93 CURRENT TRANSMISSION CYCLE
- 154.94 TRANSMISSION CYCLE HISTORY

Want to DISABLE Scheduled Options, Menu Options, and Protocols? YES// **NO**

Enter the Device you want to print the Install messages.  
 You can queue the install by enter a 'Q' at the device prompt.  
 Enter a '^' to abort the install.

DEVICE: HOME// (Enter the device)

## Virgin Installation

SPINAL CORD DYSFUNCTION 2.0

Install Started for SPINAL CORD DYSFUNCTION 2.0 :  
Oct 30, 1996@14:04:01

Installing Routines:  
Oct 30, 1996@14:04:14

Running Pre-Install Routine: PRE^SPNLENV

Installing Data Dictionaries:  
Oct 30, 1996@14:04:35

Installing Data:  
Oct 30, 1996@14:04:38

Installing PACKAGE COMPONENTS:

Installing SECURITY KEY

Installing PRINT TEMPLATE

Installing INPUT TEMPLATE

Installing FORM

Installing OPTION  
Oct 30, 1996@14:05:15

Running Post-Install Routine: POS^SPNLENV

\*\* Installing GMTSSCD routine for Health Summary SCD component. \*\*  
Renaming SPNHS1 as GMTSSCD.. Done.  
Adding component to HEALTH SUMMARY COMPONENT (142.1) file.  
Component Installed.

Installing new component in AD HOC Health Summary.

Rebuilding Ad Hoc Summary.....  
Done.

Installing SPINAL CORD DYSFUNCTION into PDX Data Segments.

This installation requires patch VAQ\*1.5\*11 (CREATE  
SEGMENT USING HLTH SUMM COMP) to be installed.  
To continue the installation, install VAQ\*1.5\*11 and  
then DO PDXINST^SPNHS2 to complete the installation.

Updating Routine file...

Updating KIDS files...

SPINAL CORD DYSFUNCTION 2.0 Installed.  
Oct 30, 1996@14:05:38

Not a production UCI

NO Install Message sent

Install Completed

- 1 Load a Distribution
- 2 Verify Checksums in Transport Global
- 3 Print Transport Global
- 4 Compare Transport Global to Current System
- 5 Backup a Transport Global
- 6 Install Package(s)  
Restart Install of Package(s)  
Unload a Distribution

Select Installation Option:

# Installation over Version 1.5 (Example)

D ^XUP

Setting up programmer environment  
Terminal Type set to: C-VT320

Select OPTION NAME: **EVE**                      Systems Manager Menu

```

      Core Applications ...
      Device Management ...
FM    VA FileMan ...
      Manage Mailman ...
      Menu Management ...
      Programmer Options ...
      Operations Management ...
      Spool Management ...
      System Security ...
      Taskman Management ...
      User Management ...
      Application Utilities ...
      Capacity Management ...
      MailMan Menu ...
```

Select Systems Manager Menu Option: **P**rogrammer Options

```

KIDS  Kernel Installation & Distribution System ...
NTEG  Build an 'NTEG' routine for a package
PG    Programmer mode
      Calculate and Show Checksum Values
      Delete Unreferenced Options
      Error Processing ...
      Global Block Count
      List Global
      Map Pointer Relations
      Number base changer
      Routine Tools ...
      Verifier Tools Menu...
```

Select Programmer Options Option: **KIDS**    Kernel Installation & Distribution System

```

      Edits and Distribution ...
      Utilities ...
      Installation ...
```

Select Kernel Installation & Distribution System Option: **I**nstallation

```

1      Load a Distribution
2      Verify Checksums in Transport Global
3      Print Transport Global
```

- 4 Compare Transport Global to Current System
- 5 Backup a Transport Global
- 6 Install Package(s)  
Restart Install of Package(s)  
Unload a Distribution

Select Installation Option: **LOAD** a Distribution

Enter a Host File: **SPN2\_0.KID**

KIDS Distribution saved on Oct 30, 1996@14:41:40

Comment: SPINAL CORD DYSFUNCTION 2.0

This Distribution contains Transport Globals for the following Package(s):  
SPINAL CORD DYSFUNCTION 2.0

Want to Continue with Load? YES// **<RET>**

Loading Distribution...

Want to RUN the Environment Check Routine? YES// **<RET>**

SPINAL CORD DYSFUNCTION 2.0

Will first run the Environment Check Routine, SPNLENV

Use INSTALL NAME: SPINAL CORD DYSFUNCTION 2.0 to install this Distribution.

- 1 Load a Distribution
- 2 Verify Checksums in Transport Global
- 3 Print Transport Global
- 4 Compare Transport Global to Current System
- 5 Backup a Transport Global
- 6 Install Package(s)  
Restart Install of Package(s)  
Unload a Distribution

Note: At this point, you may want to run the Verify Checksums in Transport Global option. If any of the routine checksums fail, you should contact your IRM Field Office and not proceed with the installation process. You may also want to use the option Print Transport Global to obtain a listing of what you will be receiving and what will be deleted with the installation of this version.

Select Installation Option: **INSTALL** Package(s)

Select INSTALL NAME: SPINAL CORD DYSFUNCTION 2.0      Loaded from Distribution  
10/30/96@15:06:43

=> SPINAL CORD DYSFUNCTION 2.0 ;Created on Oct 30, 1996@14:41:40

This Distribution was loaded on Oct 30, 1996@15:06:43 with header of

SPINAL CORD DYSFUNCTION 2.0 Install(s):

SPINAL CORD DYSFUNCTION 2.0

SPINAL CORD DYSFUNCTION 2.0

Will first run the Environment Check Routine, SPNLENV

Install Questions for SPINAL CORD DYSFUNCTION 2.0

## Installation over V. 1.5

154 SCD (SPINAL CORD) REGISTRY

Note: You already have the 'SCD (SPINAL CORD) REGISTRY' File.

154.01 SCD NLOI CATEGORY (including data)

Note: You already have the 'SCD NLOI CATEGORY' File.

I will OVERWRITE your data with mine.

154.03 ETIOLOGY (including data)

Note: You already have the 'ETIOLOGY' File.

I will OVERWRITE your data with mine.

154.1 FUNCTIONAL STATUS

Note: You already have the 'FUNCTIONAL STATUS' File.

154.11 FUNCTIONAL STATUS LEVEL (including data)

Note: You already have the 'FUNCTIONAL STATUS LEVEL' File.

I will OVERWRITE your data with mine.

154.2 SCD KURTZKE-EDSS (including data)

154.8 AD HOC MACRO

154.9 PATIENT TRANSMISSION STATUS

Note: You already have the 'PATIENT TRANSMISSION STATUS' File.

154.91 SCD SITE PARAMETERS

Note: You already have the 'SCD SITE PARAMETERS' File.

154.92 SCD FILTER (including data)

154.93 CURRENT TRANSMISSION CYCLE

Note: You already have the 'CURRENT TRANSMISSION CYCLE' File.

154.94 TRANSMISSION CYCLE HISTORY

Note: You already have the 'TRANSMISSION CYCLE HISTORY' File.

Want to DISABLE Scheduled Options, Menu Options, and Protocols? YES// **YES**

Enter options you wish to mark as 'Out Of Order': **<RET>**

Enter protocols you wish to mark as 'Out Of Order': **<RET>**

Delay Install (Minutes): (0-60): 0// **<RET>**

Enter the Device you want to print the Install messages.

You can queue the install by enter a 'Q' at the device prompt.

Enter a '^' to abort the install.



DEVICE: HOME// (Enter a device)

SPINAL CORD DYSFUNCTION 2.0

Install Started for SPINAL CORD DYSFUNCTION 2.0 :  
Oct 30, 1996@15:08:11

Installing Routines:  
Oct 30, 1996@15:08:34

Running Pre-Install Routine: PRE^SPNLENV

Installing Data Dictionaries:  
Oct 30, 1996@15:08:48

Installing Data:  
Oct 30, 1996@15:08:52

Installing PACKAGE COMPONENTS:

Installing SECURITY KEY

Installing PRINT TEMPLATE

Installing INPUT TEMPLATE

Installing FORM

Installing OPTION  
Oct 30, 1996@15:09:29

Running Post-Install Routine: POS^SPNLENV

\*\* Installing GMTSSCD routine for Health Summary SCD component. \*\*

Renaming SPNHS1 as GMTSSCD.. Done.

SPINAL CORD DYSFUNCTION already exists in Health Summary Component (142.1)  
File!

Updating Routine file...

Updating KIDS files...

SPINAL CORD DYSFUNCTION 2.0 Installed.  
Oct 30, 1996@15:09:49

Install Completed

Installation over V. 1.5