HealtheVet-VistA®

SPINAL CORD INJURY and DISORDERS OUTCOMES (SCIDO) 3.0
Interim VistA INSTALLATION GUIDE

Version 3.0
February 2011

Department of Veterans Affairs
VistA Health System Design & Development

Revision History

Date	Description	Author/Project Manager
2/17/2011	Minor formatting, preparation for VDL	Jean Laubscher/Rick Wikberg PM
9/14/2010	Added routine ^HLCSRP4 to the routine list. Updated file names for file retrieval.	Jim Moore, Kevin Hope, PM
9/13/2010	Updates – Product Support review	Jean Laubscher, Kevin Hope, PM
9/8/2010	-Corrected checksums -Screen capture for new distribution without 'TEST' in the header	Jim Moore, Kevin Hope, PM
7/6/2010	- Removed 'draft' watermark. - Updated installation instructions for final version. - Added sections for back out procedure, known anomalies, and troubleshooting, per operational readiness review. - Updated table of contents.	Jim Moore, Kevin Hope, PM
5/14/2010	Removed step 5 from page 11 which advised installer to restart the filers.	Jim Moore/Kevin Hope, PM
5/13/2010	Update version number and routine checksums Captured output of installing vT14 and pasted to the document.	Jim Moore/Kevin Hope, PM
5/7/2010	Add DISUSER information	Jean Laubscher
7/30/2009	Updates for KIDS build test version 13	Jeff Swesky/Paul Long, PM
12/24/2008	Updates for KIDS build test version 12	Jeff Swesky/Paul Long, PM
09/24/2008	Add additional Proxy Setup information. Update checksums and build numbers for new test version of build.	Jeff Swesky/Paul Long, PM
07/05/2008	Format document	Connie Bernier/Paul Long, PM
05/22/2008	Updates from latest build and to add note of critical security key	Jeff Swesky/Paul Long, PM
12/11/2007	To include 4th step for setup of New Person user account	Jeff Swesky/Joe Niksich, PM
12/04/2007	To include Progress Note titles	Jeff Swesky/Joe Niksich, PM
07/21/2006	Initial documentation	Jeff Swesky/Joe Niksich, PM
03/29/2007	Updates from latest build	Jeff Swesky/Joe Niksich, PM

Table of Contents

Introduction

The Spinal Cord Injury and Disorders Outcomes (SCIDO) application is a system for compiling spinal cord injury and disorders information. The SCIDO application accesses several other Veterans Health Information Systems and Technology Architecture (VistA) programs that contain information regarding diagnoses, prescriptions, surgical procedures, laboratory tests, radiological exams, patient demographics, hospital admissions, and clinical visits. This access allows clinical staff to take advantage of the data supported by VistA. Information can be summarized at three levels: local medical center, SCI region, or national research access.

VistA Software Requirements

Before the installation of Spinal Cord Injury and Disorders Outcomes V. 3.0, the following packages must be installed and fully patched. The Installation Checklist provided in Addendum A of this document is organized in a step-wise manner to assist in loading any missing or new package/patch in the correct order.

Software	Version	Required Patches
Kernel	V. 8	Fully patched
Kernel Toolkit	V. 7.3	Fully patched
VA FileMan	V. 22	Fully patched
VistALink	V. 1.5	Fully patched
TIU	V. 1.0	Fully patched
Registration	V. 5.3	Fully patched
Spinal Cord Dysfunction	V. 2.0	Fully patched
Surgery	V. 3.0	Fully patched
Prosthetics	V. 3.0	Fully patched

Routine List – Pre Installation

The following list contains the routines that will be modified with Spinal Cord Injury and Disorders Outcomes V. 3.0.   The checksums prior to this install are as follows:

Routine	CHECK1^XTSUMBLD Value	CHECK^XTSUMBLD Value
SPNLRL1	11922728	5898379
SPNLRL2	13807792	5836094
SPNLRL3	10458300	4917596

Routine List – Post Installation

The following list contains the routines included in Spinal Cord Injury and Disorders Outcomes V. 3.0

Routine	CHECK1^XTSUMBLD Value	CHECK^XTSUMBLD Value

Routine	CHECK1^XTSUMBLD Value	CHECK^XTSUMBLD Value
SPNJRP4A	1258600	589325
SPNJRPC0	4797467	1650252
SPNJRPC1	25695639	4803120
SPNJRPC2	8549659	2897184
SPNJRPC3	53506814	12712659
SPNJRPC4	38673987	9287080
SPNJRPC5	14449910	4594768
SPNJRPC6	4635814	2462077
SPNJRPC7	352636	166368
SPNJRPC8	1723581	794489
SPNJRPC9	17400459	5130695
SPNJRPCC	705728	355388
SPNJRPCD	26963457	10474519
SPNJRPCE	947821	426992
SPNJRPCM	3844721	1835099
SPNJRPCP	454442	121840
SPNJRPCS	842386	460523
SPNJRPCX	81896576	14117786
SPNJRPDC	7788443	2529003
SPNJRPE2	1830378	730585
SPNJRPET	981420	528004
SPNJRPFB	2618869	910547
SPNJRPIC	7764384	2598285
SPNJRPIL	1214679	562685
SPNJRPIP	4321660	1738611
SPNJRPIW	77468632	15147655
SPNJRPML	5642555	2547143
SPNJRPOP	5917365	1887600
SPNJRPP1	23248535	6509516
SPNJRPP2	18150887	5238518

Routine	CHECK1^XTSUMBLD Value	CHECK^XTSUMBLD Value
SPNJRPPL	1212848	526633
SPNJRPPM	12765608	3610707
SPNJRPPN	1907848	876549
SPNJRPPR	3055124	929249
SPNJRPRC	3460486	1399883
SPNJRPRE	5915306	2162773
SPNJRPSC	1441105	497305
SPNJRPSD	22832226	6538636
SPNJRPSR	2758801	1093225
SPNJRPX2	33025054	7576956
SPNLRK7	1438782	730996
SPNLRK8	15230861	8533195
SPNLRL1	19098772	8384499
SPNLRL2	24652075	9481675
SPNLRL3	16249663	7188957
SPNLRL7	3954554	1423555
SPNLRM7	3003178	1234153
SPNLRM8	23501774	10537733
SPNLRM9	9152833	4844155
SPNLRR7	9512592	3606424
SPNLRS7	19321322	6179931
SPNRPC03	10552423	3737264
SPNRPC1	17718596	6511719
SPNRPC10	2838928	1310531
SPNRPC13	19205247	7185321
SPNRPC4	51645622	11014607
SPNRPC4B	46067512	10621527
SPNRPC5	609564	297572
SPNRPC6	851415	476487
SPNRPC7	3491672	2043744

Routine	CHECK1^XTSUMBLD Value	CHECK^XTSUMBLD Value
SPNRPC8	1815443	664444
SPNRPC9	2808690	1336821
SPNRPCA1	4948876	1949821
SPNRPCB	889413	401184
SPNRPCC	15974748	4716332
SPNRPCD	17417590	4665233
SPNRPCE	23315717	7085434
SPNRPCF	23018946	7392052
SPNRPCG	9080936	3279358
SPNRPCH	12245424	3398338
SPNRPCI	18057216	3813644
SPNRPCIC	97795	53557
SPNRPCJ	16481640	4441860
SPNRPCL	16794514	5125791
SPNRPCM	21192373	6784024
SPNRPCN	14508746	4922473
SPNRPCO	12699717	4068267
SPNRPCQ	6960635	2746399
SPNRPCW	13994447	5013374
SPNRPCW2	20809166	6522502

Options

This option is being sent to the site so that Spinal Cord Injury and Disorders Outcomes users will be able to view non-SCIDO data and reports via RPCs.

Name	Status
SPN GENERAL USER RPC	SEND TO SITE

Security Keys

The following security keys are being sent to the site and are used by the KAAJEE software to add enhanced 'Strong' security to the Spinal Cord Injury and Disorders Outcomes system for users.

Name	Status
SPN_ADMIN (this should only be given to users requiring Administration rights)	SEND TO SITE
SPN_CATCHMENT (this should only be given to users requiring access to regional reporting)	SEND TO SITE
SPN_CLINICIAN (this should only be given to users requiring Clinician rights)	SEND TO SITE
SPN_IRM (this should only be given to IRMs)	SEND TO SITE
SPN_RESEARCHER (this should only be given to users requiring researcher rights)	SEND TO SITE

Remote Procedures

New Remote Procedures:

Name	Function	Status

Name	Function	Status
SPN ADMISSIONS REPORT	RPC ADMISSIONS REPORT BY DATE RANGE	SEND TO SITE
SPN BUILD PICK LIST ENTRIES	Returns LAB TEST/DRUG NAMES/PROS REPORTS&FILTERS	SEND TO SITE
SPN COMM DISCHARGES	Returns Discharge to Community info	SEND TO SITE
SPN CURRENT INPATS	Returns Current Inpatients data	SEND TO SITE
SPN FEE BASIS ICNS	Returns list of ICNs who match Fee Basis Criteria	SEND TO SITE
SPN GET ADT DATA	Returns ADT Patient movement entries for requested date	SEND TO SITE
SPN GET CLINIC STOPS	Returns Clinic Stops	SEND TO SITE
SPN GET ENROLLMENT	Returns most recent Eligibility Enrollment Application	SEND TO SITE
SPN GET ETHNICITY	Returns VA Ethnicity Info	SEND TO SITE
SPN GET FUTURE APPTS	Returns list of patients with future appointments.	SEND TO SITE
SPN GET LAST SEEN	Returns list of patients with their date last seen	SEND TO SITE
SPN GET MAILING ADDRESS	Returns Patient addresses for mailing labels	SEND TO SITE
SPN GET PAIN RATING	Returns most recent Vitals Pain Rating	SEND TO SITE
SPN GET PROS ITEMS	Returns list of Prosthetic Items	SEND TO SITE
SPN GET RACE	Returns VA Race info	SEND TO SITE
SPN GET RAD REPORTS	Returns Radiology Report / Impression / Clinical history text.	SEND TO SITE
SPN GET SCI COORDINATORS	Returns SCI Coordinator Providers from New Person file	SEND TO SITE
SPN GET SPEC CODES	Returns Specialty PTF codes	SEND TO SITE
SPN GET VA STATUS	Returns VA SCI Status	SEND TO SITE
SPN ICD9 CODE SEARCH	Returns ICD9 Codes based on search criteria	SEND TO SITE
SPN ICDS/CPTS & DESCRIPTIONS	CPTS/ICDS CODES & DESCRIPTS	SEND TO SITE
SPN ICDS/CPTS W RAD COMMENTS	List Recent Diagnoses with Rad. comments	SEND TO SITE
SPN ICN LOADER	Returns ICNs for list of DFNs	SEND TO SITE
SPN IDT DISCHARGE LOCATIONS	Returns Discharge date and location	SEND TO SITE

Name	Function	Status
SPN INFLUENZA RPT	Returns INFLUENZA Lab test results	SEND TO SITE
SPN INPAT CARE	Returns Applications for Inpatient Care data	SEND TO SITE
SPN INPAT OUTPAT ACTIVITY	Returns Inpatient/Outpatient Activity for list of pats	SEND TO SITE
SPN INPAT OUTPAT SPECIFIC	Returns Inpatient/Outpatient Specific for list of pats	SEND TO SITE
SPN INPATIENT ICNS	Returns list of ICNs for Inpatients	SEND TO SITE
SPN LAB COMPLETE BLOOD COUNT	Returns Lab test results for the complete blood count	SEND TO SITE
SPN LAB MICRO BLOOD	Returns MICROBIOLOGY BLOOD Lab test results	SEND TO SITE
SPN LAB MICRO URINE	Returns MICROBIOLOGY URINE Lab test results	SEND TO SITE
SPN LAB SPUTUM	Returns SPUTUM LAB results box	SEND TO SITE
SPN LAB URINALYSIS	Returns URINALYSIS Lab test results	SEND TO SITE
SPN LAB UTL REPORT	LAB TEST UTILIZATION REPORT	SEND TO SITE
SPN LAB UTL SPECIFIC	Laboratory Utilization rpt specific RPC	SEND TO SITE
SPN LIST ICDS/CPTS	Returns list of ICD/CPT LONG DESCRIPTIONS	SEND TO SITE
SPN LIST PROGRESS NOTE TITLES	Returns TIU doc titles from 8925.1	SEND TO SITE
SPN MAILMAN NOTIFICATION	Send Mailman notifications	SEND TO SITE
SPN MEANS & ELIGIBILITY	Returns most recent Means and Eligibility info for all patients	SEND TO SITE
SPN MEDICATIONS ICNS	Returns list of ICNs who match VA Drug Class criteria	SEND TO SITE
SPN MEDS 1ST 2-CHARS VA CLASS	PHARMACY RX'S WHEN AN RX MATCHES THE FIRST TWO CHAR	SEND TO SITE
SPN MEDS BY FULL VA CLASS	Returns PHARMACY RX'S WITH A SPECIFIC NDC	SEND TO SITE
SPN NUTRITION PRECAUTIONS	Nutrition Dietary Precautions RPC	SEND TO SITE
SPN OUTPATIENT ICNS	Returns list of ICNs for Outpatients	SEND TO SITE
SPN PAIN VITALS	Routine to list Vitals / Cover Sheet data	SEND TO SITE
SPN PAT BREAKDOWN	Returns Breakdown of Patient data	SEND TO SITE

Name	Function	Status
SPN PHARMACY UTL REPORT	Pharmacy Utilization rpt RPC	SEND TO SITE
SPN PROGRESS NOTES WRAPPER	RPC to record SCI Progress Notes	SEND TO SITE
SPN PROS UTL REPORT	Returns Prosthetic Utilization info	SEND TO SITE
SPN PROS UTL SPECIFIC	Returns Prosthetic Utilization Specific info	SEND TO SITE
SPN PROSTHETICS ICNS	Returns list of ICNs who match Prosthetics criteria	SEND TO SITE
SPN PUT LAB COMPLETE BLOOD	Returns Lab test results for the complete blood count	SEND TO SITE
SPN PUT LAB CYTOPATH	Returns Lab test results for CYTOPATHOLOGY	SEND TO SITE
SPN PUT LAB MICRO	Returns Lab test results for MICROBIOLOGY	SEND TO SITE
SPN PUT LAB SURG PATH	Returns Lab test results for SURGICAL PATHOLOGY	SEND TO SITE
SPN PUT PROSTHETIC DEVICES	Returns PROSTHETIC DEVICES	SEND TO SITE
SPN RAD UTL REPORT	RAD Utilization rpt RPC	SEND TO SITE
SPN READMISSIONS REPORT	RPC READMISSIONS REPORT BY DATE RANGE	SEND TO SITE
SPN RECENT MED CENTERS	Returns sites where Patient has been treated	SEND TO SITE
SPN RX UTILIZATION SPECIFIC	Pharmacy Utilization rpt specific RPC	SEND TO SITE
SPN SCI SCD DISCHARGES	Returns SCI/SCI Discharges data	SEND TO SITE
SPN SCI USER ROLES	Returns SCI Roles for all SCI NEW PERSON entries	SEND TO SITE
SPN SECONDARY ICDS	Returns ICD'S excluding SCI. No cut date	SEND TO SITE
SPN SERVICE CONNECTED ICNS	Returns list of ICNs who match Service Connection criteria	SEND TO SITE
SPN VADPT VALUES	Returns patient demographics from VADPT APIs	SEND TO SITE

VistA Installation

The following action is needed to configure the VistA side of the SCIDO application once all of the dependencies have been installed (see Appendix A):

PART I – Install the Spinal Cord Injury and Disorders Outcomes V. 3.0 Package:

KIDs file   Package
SPN_3_0.KID   SPN 3.0

VistA Software Retrieval

The Spinal Cord Injury and Disorders Outcomes V. 3.0 M package (Host File name SPN_3_0.KID) and documentation can be downloaded from the Enterprise VistA Support (EVS) anonymous directories:

Albany OIFO   ftp.fo-albany.med.va.gov

Hines OIFO   ftp.fo-hines.med.va.gov

Salt Lake City OIFO   ftp.fo-slc.med.va.gov

Preferred Method   download.vista.med.va.gov
(This Preferred Method transmits the files from the first available FTP server.)

Installation Instructions for the SPN 3.0 package

Access the KIDS menu in VistA (Kernel Installation & Distribution, and select the Installation option.

Step 1 Download Host KIDS File:

Download the KIDS file SPN_3_0.KID from the ANONYMOUS.SOFTWARE directory of Albany, Hines, or the Salt Lake CIOFO to the appropriate directory on your system.

1.   START UP KIDS

Start up the Kernel Installation and Distribution System Menu [XPD MAIN]:
Edits and Distribution
Utilities
Installation

Select Kernel Installation & Distribution System Option: Installation
Load a Distribution
Print Transport Global
Compare Transport Global to Current System
Verify Checksums in Transport Global
Install Package(s)
Restart Install of Package(s)
Unload a Distribution

Step 2 Select Installation Option:

Use the Load a Distribution and select Host File: SPN_3_0.KID

NOTE: The following are OPTIONAL - (When prompted for the INSTALL NAME, enter SPN 3):

Verify Checksums in Transport Global - This option will allow you to ensure the integrity of the routines that are in the transport global.

Backup a Transport Global - This option will create a backup message of any routines exported with this patch. It will not backup any other changes such as DD's or templates.

Compare Transport Global to Current System - This option will allow you to view all changes that will be made when this patch is installed. It compares all components of this patch (routines, DD's, templates, etc.).

Step 3 Select Installation Option: Install Package(s):

**This is the step to start the installation of this KIDS build:

Choose the Install Package(s) option to start the patch install.
When prompted 'Want KIDS to Rebuild Menu Trees Upon Completion of Install? YES//' Is
recommended, but is up to the installers discretion.
When prompted 'Want KIDS to INHIBIT LOGONs during the install? YES//' answer NO (unless
otherwise indicated)
When prompted 'Want to DISABLE Scheduled Options, Menu Options, and Protocols? YES//' answer
NO (unless otherwise indicated)

Step 3a - Load the distribution

Select Kernel Installation & Distribution System Option: Installation

       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: 1 Load a Distribution
Enter a Host File: SYS$SYSDEVICE:[ANONYMOUS]SPN_3_0.KID

KIDS Distribution saved on Sep 14, 2010@10:35:35
Comment: SPINAL CORD VERSION 3.0

This Distribution contains Transport Globals for the following Package(s):
   SPN 3.0
Distribution OK!

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

   SPN 3.0
Use INSTALL NAME: SPN 3.0 to install this Distribution.

Step 3b - Verify Checksums

       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: 2 Verify Checksums in Transport Global
Select INSTALL NAME: SPN 3.0   Loaded from Distribution 9/14/10@11:00:37
   => SPINAL CORD VERSION 3.0 ;Created on Sep 09, 2010@11:22:43

This Distribution was loaded on Sep 14, 2010@11:00:37 with header of
   SPINAL CORD VERSION 3.0 ;Created on Sep 09, 2010@11:22:43
   It consisted of the following Install(s):
      SPN 3.0

Want each Routine Listed with Checksums: Yes//   YES
DEVICE: HOME// HOME;;999 UCX/TELNET

PACKAGE: SPN 3.0   Sep 14, 2010 11:03 am   PAGE 1

SPNJRP4A Calculated   1258600
SPNJRPC0 Calculated   4797467
SPNJRPC1 Calculated   25695639
SPNJRPC2 Calculated   8549659
SPNJRPC3 Calculated   53506814
SPNJRPC4 Calculated   38673987
SPNJRPC5 Calculated   14449910
SPNJRPC6 Calculated   4635814
SPNJRPC7 Calculated   352636
SPNJRPC8 Calculated   1723581
SPNJRPC9 Calculated   17400459
SPNJRPCC Calculated   705728
SPNJRPCD Calculated   26963457
SPNJRPCE Calculated   947821
SPNJRPCM Calculated   3844721
SPNJRPCP Calculated   454442
SPNJRPCS Calculated   842386
SPNJRPCX Calculated   81896576
SPNJRPDC Calculated   7788443
SPNJRPE2 Calculated   1830378
SPNJRPET Calculated   981420
SPNJRPFB Calculated   2618869
SPNJRPIC Calculated   7764384
SPNJRPIL Calculated   1214679
SPNJRPIP Calculated   4321660
SPNJRPIW Calculated   77468632
SPNJRPML Calculated   5642555
SPNJRPOP Calculated   5917365
SPNJRPP1 Calculated   23248535
SPNJRPP2 Calculated   18150887
SPNJRPPL Calculated   1212848
SPNJRPPM Calculated   12765608
SPNJRPPN Calculated   1907848
SPNJRPPR Calculated   3055124
SPNJRPRC Calculated   3460486

```
SPNJRPRE  Calculated   5915306
SPNJRPSC  Calculated   1441105
SPNJRPSD  Calculated   22832226
SPNJRPSR  Calculated   2758801
SPNJRPX2  Calculated   33025054
SPNLRK7   Calculated   1438782
SPNLRK8   Calculated   15230861
SPNLRL1   Calculated   19098772
SPNLRL2   Calculated   24652075
SPNLRL3   Calculated   16249663
SPNLRL7   Calculated   3954554
SPNLRM7   Calculated   3003178
SPNLRM8   Calculated   23501774
SPNLRM9   Calculated   9152833
SPNLRR7   Calculated   9512592
SPNLRS7   Calculated   19321322
SPNRPC03  Calculated   10552423
SPNRPC1   Calculated   17718596
SPNRPC10  Calculated   2838928
SPNRPC13  Calculated   19205247
SPNRPC4   Calculated   51645622
SPNRPC4B  Calculated   46067512
SPNRPC5   Calculated   609564
SPNRPC6   Calculated   851415
SPNRPC7   Calculated   3491672
SPNRPC8   Calculated   1815443
SPNRPC9   Calculated   2808690
SPNRPCA1  Calculated   4948876
SPNRPCB   Calculated   889413
SPNRPCC   Calculated   15974748
SPNRPCD   Calculated   17417590
SPNRPCE   Calculated   23315717
SPNRPCF   Calculated   23018946
SPNRPCG   Calculated   9080936
SPNRPCH   Calculated   12245424
SPNRPCI   Calculated   18057216
SPNRPCIC  Calculated   97795
SPNRPCJ   Calculated   16481640
SPNRPCL   Calculated   16794514
SPNRPCM   Calculated   21192373
SPNRPCN   Calculated   14508746
SPNRPCO   Calculated   12699717
SPNRPCQ   Calculated   6960635
SPNRPCW   Calculated   13994447
SPNRPCW2  Calculated   20809166

   79 Routines checked, 0 failed.
```

Step 3c - Backup a Transport Global

　　　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: Backup a Transport Global
Select INSTALL NAME:　　SPN 3.0　　Loaded from Distribution　5/14/10@11:00:37
　　=> SPINAL CORD VERSION 3.0 ;Created on Sep 09, 2010@11:22:43

This Distribution was loaded on Sep 14, 2010@11:00:37 with header of
　　SPINAL CORD VERSION 3.0 ;Created on Sep 09, 2010@11:22:43
　It consisted of the following Install(s):
　　　SPN 3.0
Subject: Backup of SPN 3.0 install on Sep 14, 2010　Replace
Loading Routines for SPN 3.0
Routine SPNJRP4A is not on the disk..
Routine SPNJRPC0 is not on the disk..
Routine SPNJRPC1 is not on the disk..
Routine SPNJRPC2 is not on the disk..
Routine SPNJRPC3 is not on the disk..
Routine SPNJRPC4 is not on the disk..
Routine SPNJRPC5 is not on the disk..
Routine SPNJRPC6 is not on the disk..
Routine SPNJRPC7 is not on the disk..
Routine SPNJRPC8 is not on the disk..
Routine SPNJRPC9 is not on the disk..
Routine SPNJRPCC is not on the disk..
Routine SPNJRPCD is not on the disk..
Routine SPNJRPCE is not on the disk..
Routine SPNJRPCM is not on the disk..
Routine SPNJRPCP is not on the disk..
Routine SPNJRPCS is not on the disk..
Routine SPNJRPCX is not on the disk..
Routine SPNJRPDC is not on the disk..
Routine SPNJRPE2 is not on the disk..
Routine SPNJRPET is not on the disk..
Routine SPNJRPFB is not on the disk..
Routine SPNJRPIC is not on the disk..
Routine SPNJRPIL is not on the disk..
Routine SPNJRPIP is not on the disk..
Routine SPNJRPIW is not on the disk..
Routine SPNJRPML is not on the disk..
Routine SPNJRPOP is not on the disk..

Routine SPNJRPP1 is not on the disk..
Routine SPNJRPP2 is not on the disk..
Routine SPNJRPPL is not on the disk..
Routine SPNJRPPM is not on the disk..
Routine SPNJRPPN is not on the disk..
Routine SPNJRPPR is not on the disk..
Routine SPNJRPRC is not on the disk..
Routine SPNJRPRE is not on the disk..
Routine SPNJRPSC is not on the disk..
Routine SPNJRPSD is not on the disk..
Routine SPNJRPSR is not on the disk..
Routine SPNJRPX2 is not on the disk..
Routine SPNLRK7 is not on the disk..
Routine SPNLRK8 is not on the disk..
Routine SPNLRL1 is not on the disk..
Routine SPNLRL2 is not on the disk..
Routine SPNLRL3 is not on the disk..
Routine SPNLRL7 is not on the disk..
Routine SPNLRM7 is not on the disk..
Routine SPNLRM8 is not on the disk..
Routine SPNLRM9 is not on the disk..
Routine SPNLRR7 is not on the disk..
Routine SPNLRS7 is not on the disk..
Routine SPNRPC03 is not on the disk..
Routine SPNRPC1 is not on the disk..
Routine SPNRPC10 is not on the disk..
Routine SPNRPC13 is not on the disk..
Routine SPNRPC4 is not on the disk..
Routine SPNRPC4B is not on the disk..
Routine SPNRPC5 is not on the disk..
Routine SPNRPC6 is not on the disk..
Routine SPNRPC7 is not on the disk..
Routine SPNRPC8 is not on the disk..
Routine SPNRPC9 is not on the disk..
Routine SPNRPCA1 is not on the disk..
Routine SPNRPCB is not on the disk..
Routine SPNRPCC is not on the disk..
Routine SPNRPCD is not on the disk..
Routine SPNRPCE is not on the disk..
Routine SPNRPCF is not on the disk..
Routine SPNRPCG is not on the disk..
Routine SPNRPCH is not on the disk..
Routine SPNRPCI is not on the disk..
Routine SPNRPCIC is not on the disk..
Routine SPNRPCJ is not on the disk..
Routine SPNRPCL is not on the disk..
Routine SPNRPCM is not on the disk..
Routine SPNRPCN is not on the disk..
Routine SPNRPCO is not on the disk..
Routine SPNRPCQ is not on the disk..
Routine SPNRPCW is not on the disk..

Routine SPNRPCW2 is not on the disk..
Send mail to:

Step 4 Install the KIDS build:

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: Install Package(s)
        Sep 14, 2010@11:07:05

Build Distribution Date: Sep 14, 2010

  SPINAL CORD VERSION 3.0 ;Created on Sep 09, 2010@11:22:43
  It consisted of the following Install(s):
    SPN 3.0
This Distribution was loaded on Sep 14, 2010@11:00:37 with header of
  SPINAL CORD VERSION 3.0 ;Created on Sep 09, 2010@11:22:43
  It consisted of the following Install(s):
    SPN 3.0

Checking Install for Package SPN 3.0

Install Questions for SPN 3.0

Want KIDS to Rebuild Menu Trees Upon Completion of Install? YES//

Want KIDS to INHIBIT LOGONs during the install? YES// NO
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//   TCP

 Install Started for SPN 3.0 :
        Sep 14, 2010@11:07:05

Build Distribution Date: Sep 14, 2010

 Installing Routines:

Sep 14, 2010@11:07:06

Installing PACKAGE COMPONENTS:

Installing SECURITY KEY

Installing REMOTE PROCEDURE

Installing OPTION
Sep 14, 2010@11:07:07

Updating Routine file...

Updating KIDS files...

SPN 3.0 Installed.
Sep 14, 2010@11:07:08

Install Message sent #2729

Call MENU rebuild

Starting Menu Rebuild: Dec 24, 2008@12:12:26

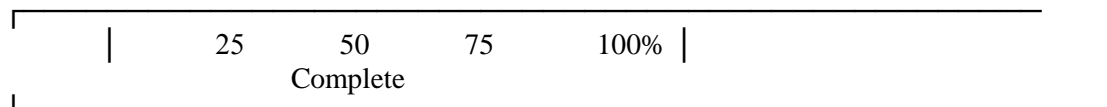Collecting primary menus in the New Person file...

Primary menus found in the New Person file

OPTION NAME	MENU TEXT	# OF USERS	LAST USED	LAST BUILT
XMUSER	MailMan Menu	354	04/19/05	12/24/08
EVE	Systems Manager Menu	16	03/29/07	12/24/08
PSZMGR	Pharmacy	2	04/18/05	12/24/08
PSO OUTPUTS	Output Reports	1	02/04/05	12/24/08

…

Building secondary menu trees....

Merging.... done.

Menu Rebuild Complete: Sep 14, 2010@11:07:21

```
┌────────────────────────────────────────────────────
│ ┌──────────────────────────────────────────────┐
│ │      25      50      75      100%│
│ │            Complete
│ └
└────────────────────────────────────────────────────
```

Install Completed

PART II – Verify/Set-up VistALink Connector Proxy account:

A VistALink Connector Proxy account may already be established at each site, but it is recommended that a new Connector Proxy account be created using the naming convention as follows:

Name: VISTALINK,SCIDO
(**NOTE:** After you've established the Access/Verify Codes for this account, sign into your system using these codes, reset the verify code and clear any other first sign-on steps i.e. on-line information security agreements).

From the Operations Management menu on the EVE menu, select the Foundations Management menu. Select CP (Enter/Edit Connector Proxy User)

Set the following parameters in File 200 – New Person File:

The Connector Proxy account for SCIDO must have the "Verify Code never expires" field in the New Person file set to "Yes."

The Connector Proxy account for SCIDO must have the "Multiple Logins" field in the New Person file set to "Allowed".

The Connector Proxy account for SCIDO must have the DISUER field in the New Person file set to "No".

The Connector Proxy account needs to have the following Secondary Menu Options set the in the New Person file (#200):

SPN GENERAL USER RPC
XUS KAAJEE WEB LOGON
DGRR GUI PATIENT LOOKUP

The Connector Proxy account needs to have the following Security Key to allow for users to view patient specific data for the Utilization reports:

SPNL SCD PTS

Refer to the VistALink documentation for more information. Refer to the 'Guidance of Connector Proxy User Accounts' attachment of the MOU for 'VistA and New Generation VistA System Connections' for information on transmitting the Connector Proxy account information securely to the IRM staff and/or Regional Data Center staff who will be responsible for installing the web-based part of Spinal Cord Injury and Disorders Outcomes Version 3.0.

Specifically, the following information must be provided to the Development Team so that the Connector proxy account information is set properly inside the SCIDO application log-in script:

The name of the Connector proxy account (VISTALINK,SCIDO)
The DUZ numbers for the Connector Proxy accounts
The access and verify code of the Connector proxy account
The names of the Production accounts
The port number for VistALink (generally 8000, 8001 or 8100) – Make a FileMan Inquiry into the VistALink Listener Configuration file for the VistALink port number at your Facility.

PART III – Setup New Person user accounts to be compatible with SCIDO V. 3.0:

In order for VistA users to access and use the Spinal Cord Injury Disorders & Outcomes web application, they must be set up with the following values in the New Person (#200) file:

They will need one or more of the following Security Keys, depending on their role in SCI:
SPN_CLINICIAN (this should only be given to users requiring Clinician rights)
SPN_RESEARCHER (this should only be given to users requiring researcher rights)
SPN_ADMIN (this should only be given to users requiring Administration rights)
SPN_IRM (this should only be given to IRMs)
SPN_CATCHMENT (this should only be given to users requiring access to regional reporting. Users requiring this key must also have the SPN_CLINICIAN or SPN_ADMIN security key)
SPNL SCD PTS (If user needs to view patient specific data for the Utilization reports)

Their Menu Options should include:
SPN GENERAL USER RPC
XUS KAAJEE WEB LOGON
DGRR GUI PATIENT LOOKUP

An electronic signature code is needed in order to store Progress Notes.
Provider User Class is needed to sign Progress Notes.

PART IV – Setup ADT Mail Groups in Mail Group file and Assign any Applicable Users to them:

One of the features in the Spinal Cord Injury Disorders & Outcomes web application is to search the VistA Patient Movement file on a nightly basis and report on any Admissions, Discharges, or Transfers that occurred on that day for any given patient in the Spinal Cord Registry. An ADT summary notification is submitted to VistA and entered into the VistA Mailman system. These notifications will be sent to one of two mail group types, one for Multiple Sclerosis (MS) patients and another for general Spinal Cord Injury patients. The names of these mail groups need to be coordinated and must be identical to the names of those used on the Spinal Cord Injury Disorders & Outcomes web application.

Coordinate with IRM staff and/or Regional Data Center staff who will be responsible for installing the web-based part of Spinal Cord Injury and Disorders Outcomes Version 3.0 to derive the names of the MS Mail Group(s) and SCI Mail Group(s) needed for the ADT Notification process.

Enter the new Mail Groups into the VistA Mail Group file (#3.8) and set the Type field to PUBLIC. Enter the names of the employees (from the New Person file (#200)) to the appropriate Mail Group(s) if they are to receive these notifications.

For general Spinal Cord Injury patients, use the existing SPNL SCD COORDINATOR mail group.

For MS patients, create a new mail group:
MAIL GROUP NAME: SCIDO ADT MS// **[All caps with a space between each word]**
Select MEMBER:
TYPE:
DESCRIPTION:

== [WRAP] == [INSERT] ========< DESCRIPTION >======= [<PF1>H=Help] ====
MailMan alerts about Admission/Discharge/Transfer (ADT) activities at the site as related to
Spinal Cord Injury patients with MS.
T=======T=======T=======T=======T=======T=======T=======T>======

TYPE: pu public
ALLOW SELF ENROLLMENT?: No
ORGANIZER:
IRM COORDINATOR:
Select AUTHORIZED SENDER:

PART V – Verify that Spinal Cord Progress Note Titles are Present and Active:

In order for the Spinal Cord Injury Disorders & Outcomes Progress Notes functionality to work properly, the following Progress Note Titles must be present and active in the TIU Document Definition File (# 8925.1):

SCI FUNCTIONAL INDEPENDENCE MEASURE
SCI GENERAL NOTE
SCI CRAIG HANDICAP ASSESSMENT&REPORTING TECHNIQUE-SHORT FORM
SCI DIENER SATISFACTION WITH LIFE SCALE

Spinal Cord Injury and Disorders Outcomes V. 3.0

System Requirements:
Below is the summary of the package implementation for Spinal Cord Injury and Disorders Outcomes V. 3.0 distributed as SPN_3_0.KID. See the previous sections for dependant/required patch and packages.

Installed Y/N	Package	Distribution	Patch/Package
	Spinal Cord Injury and Disorders Outcomes V. 3.0	SPN_3_0.KID	SPN 3.0 This is the build required to run Spinal Cord Injury and Disorders Outcomes V. 3.0

Post Installation Activities

User Setup:

Complete Y/N	Step
	NOTE: Provide Connector Proxy information from VistALink installation above to the Spinal Cord deployment team. Connector Proxy account should have the following secondary menu options: SPN GENERAL USER RPC XUS KAAJEE WEB LOGON DGRR GUI PATIENT LOOKUP

	Add secondary menu to Spinal Cord Injury and Disorders Outcomes V. 3.0 VistA User Accounts: SPN GENERAL USER RPC XUS KAAJEE WEB LOGON DGRR GUI PATIENT LOOKUP
	Add selected Security Keys to Spinal Cord Injury and Disorders Outcomes V. 3.0 VistA User Accounts: SPN_CLINICIAN (for Clinician role) SPN_ADMIN (for Administrator role) SPN_RESEARCHER (for Researcher role) – issue this key only on direction of National Spinal Cord Injury and Disorders Services Office SPN_IRM (for IRMs) SPN_CATCHMENT (for regional perspective only) SPNL SCD PTS
	Enter Electronic Signature code if user will be storing progress notes
	Assign User to appropriate Mail Group if receiving ADT Mailman Notifications (Mail Groups must be set up in the VistA FileMan Mail Group file (#3.8)

Appendices

Back out Procedure

Version 2 of Spinal Cord Dysfunction can run with version 3 installed, so it in the event that severe problems are encountered with Version 3 it is unlikely that it will need to be backed out. Simply continuing use with Version 2 until the problems are resolved will most likely be adequate.

However, these steps may be followed to back out version 3:
Step 1: Insure that a backup of the version 2 routines was made as specified in the installation guide. Back out should not proceed until it is verified that a backup of the routines is available.
Step 2: Delete all the routines that were included in the installation.
Step 3: Install the routines from the backup.
Step 4: Delete all the SPN* remote procedures.
Step 5: Delete the SPN GENERAL USER RPC option.
Step 6: Rebuild the menu trees.

Trouble Shooting Guide

1) If local troubleshooting fails to identify the problem, Product Support should be notified via Remedy.
2) Most problems that occur while using SCIDO result in a log entry made on the regional server. Product Support can check these logs.
3) The Kernel error trap may be checked to determine whether or not a hard error was encountered by the SCIDO application.
4) Listed here are some of the issues that might arise after installing SCIDO:
   a. Was the connector proxy created with DISUSER set to NO and VERIFY CODE NEVER EXPIRES set to YES?
   b. Was the connector proxy assigned the following secondary options?
      - SPN GENERAL USER RPC
      - XUS KAAJEE WEB LOGON
      - DGRR GUI PATIENT LOOKUP
   c. If patient data doesn't appear in the utilization reports, was the connector proxy assigned the SPNL SCD PTS security key?
   d. Failure to connect to the regional SCIDO server after installation may indicate an issue with the site's login script on the regional server. Product Support may be requested to check that via Remedy.
   e. Failure of SCIDO later on could be due to a connectivity problem, or might be due to the regional server being down. Product Support may be requested to check that via Remedy.
   f. Was the user given the right security keys for his/her role(s)?
   g. Was the user given these menu options?
      - SPN GENERAL USER RPC
      - XUS KAAJEE WEB LOGON
      - DGRR GUI PATIENT LOOKUP
   h. Was the user assigned the appropriate Provider User Class for creating Progress Notes?
   i. Does the user have an electronic signature established for signing progress notes?
   j. If a user isn't receiving Mailman notifications of ADT events, check that they are entered to the appropriate mail group that was created for these notifications.
   k. If users aren't receiving Mailman notifications of ADT events, then notify local IT support to verify the mail group(s) on the regional server.

l. If the progress notes functionality isn't working properly, verify that the following titles are in TIU and active:
- SCI FUNCTIONAL INDEPENDENCE MEASURE
- SCI GENERAL NOTE
- SCI CRAIG HANDICAP ASSESSMENT&REPORTING TECHNIQUE-SHORT FORM
- SCI DIENER SATISFACTION WITH LIFE SCALE

If the titles are there, does your facility have a business rule created through the Authorization/Subscription application that controls access to Progress Note Titles? If so, you must assign an appropriate Person Class to the Connector Proxy account via the User Edit option to facilitate automated notes through SCIDO.

Known Issues with VistA Remote Procedure Calls

The following issues are excerpted from the document 'Request for Concurrence to Release Software with Known Anomalies' for SCIDO 3.0.   They represent outstanding problems that are not severe and will be addressed in later version of SCIDO.   Most of SCIDO's outstanding issues do not lie on the M VistA side of SCIDO and so are not shown here.

SCI00000801	Outpatient Visit RPC Issue (SPN OUTPATIENT ICNS RPC): When same start/end date is used, the Outpatient Visit filter doesn't work	Avg.	User can specify a larger time frame.	Will be addressed in Version 3.1 scope and prioritized by VHA stakeholders