



SURGERY

TECHNICAL MANUAL/ SECURITY GUIDE

Version 3.0
July 1993

(Revised April 2008)

Department of Veterans Affairs
VistA Health Systems Design & Development

Revision History

Each time this manual is updated, the Title Page lists the new revised date and this page describes the changes. If the Revised Pages column lists “All,” replace the existing manual with the reissued manual. If the Revised Pages column lists individual entries (e.g., 25, 32), either update the existing manual with the Change Pages Document or print the entire new manual.

Date	Revised Pages	Patch Number	Description
04/08	iii, 6, 11, 16-18, 21-24, 31, 38, 43, 47, 53-55, 65, 76, 79, 96		Removed reference to Anesthesia AMIS. New installation instructions. Added and removed routines. Added an option name. Updated text for the M&M Verification Report. Added the explanation for the <i>Risk Model Lab Test</i> option. Added a new input template. Removed the section on routine mapping. Added packages needed to run surgery. Updated the Contingency Planning section. Removed the SROTRAN security key description from the Security Key table. Added <i>Risk Model Lab test</i> option to the Surgery Risk Assessment menu. (M. Montali, PM; G. O’Connor, Tech Writer)
06/07	21-22, 81	SR*3*160	Added these routines to the routine listing: SR160UT0, SR160UTL, SROALEC, SROAX. Corrected the File Security section, which is unrelated to this patch. (M. Montali, PM; S. Krakosky, Tech Writer)
08/06	15-16, 21-22, 54-55	SR*3*153	Added new information regarding laboratory tests to the Implementation and Maintenance section. Added the routine SROALMN to the routine listing, and updated the Calls Made by Surgery section to reflect current external calls. (M. Montali, PM; S. Krakosky, Tech Writer)
08/06	iv, 21-22, 85-96	SR*3*144	Updated the Table of Contents. Added these routines to the routine listing: SRCHL7A, SRCHL7U, SROPFSS. Added Appendix A: Surgery Source Data Elements for PFSS, and updated and renumbered the Index. (M. Montali, PM; S. Krakosky, Tech Writer)
04/06	21-28, 75	SR*3*146	Added the routine SROACOD to the routine listing. Added the <i>Alert Coder Regarding Coding Issues</i> [SROA CODE ISSUE] option to the Exported Options and Menus sections. (M. Montali, PM; S. Krakosky, Tech Writer)

Date	Revised Pages	Patch Number	Description
04/06	17, 21-22, 29, 34-35, 41, 51-52, 81	SR*3*142	Updated the Files and File Security sections to include the new SURGERY PROCEDURE/DIAGNOSIS CODES file (#136). Added these new routines to the routine listing: SROCD, SROCD0, SROCD1, SROCD2, SROCD3, SROCD4, SROCDX, SROCDX1, SROCDX2, SROCPT0, SROMOD0, SROPCEP, and SROUTLN. Updated option description section for the <i>List Completed Cases Missing CPT Codes</i> [SRSCPT] and the <i>PCE Filing Status Report</i> [SRO PCE STATUS] options. (M. Montali, PM; S. Krakosky, Tech Writer)
01/06	53-55	SR*3*151	Updated the Calls Made by Surgery section to reflect current external calls. (M. Montali, PM; S. Krakosky, Tech Writer)
11/05	21-22	SR*3*148	Added the routine SRBL to the routine listing. (M. Montali, PM; S. Krakosky, Tech Writer)
08/05	12, 21-22, 51, 52	SR*3*119	These fields in the SURGERY SITE PARAMETERS file (#133) are no longer editable: UPDATES TO PCE field (#18), PCE UPDATE ACTIVATION DATE field (#18.5), and ASK CLASSIFICATION QUESTIONS field (#19). Added new routines SR119PI, SROADX, SROADX1, SROADX2, and SROANEST to the routines listing. Added SROANEST to the Callable Routines section. (J. Podolec, PM; B. Manies, Tech Writer)
08/04	21-24, 32-34, 73, 76	SR*3*132	Added these new routines to the routine listing: SRONPEN, SRONP0, SRONP1, and SRONP2. Add the new <i>Non-OR Procedure Information</i> [SR NON-OR INFO] option to the Exported Options section. Updated the menu list with the new option.
08/04	i, 21-24, 26, 29-30, 34, 75	SR*3*125	Added these new routines to the routine listing: SR125UTL, SROACAR1, SROACL2, SROACPM1, SROACPM2, SROACR2, SROACTH1, SROAOUT, SROATCM3, SROCLAB, SRORACE, and SROUTC. Added the new <i>Laboratory Test Results (Enter/Edit)</i> [SROA LAB-CARDIAC] option and the <i>Outcome Information (Enter/Edit)</i> [SROA CARDIAC-OUTCOMES] option to the Exported Options section. Updated the menu list with changes.
08/04	17, 21-22	SR*3*129	Updated the Files section to include the new ATTENDING CODES file (#132.9), and updated the Routines section to include the new SRENSCS routine.
04/04	All Pages	SR*3*100	This manual was updated to reflect new local documentation standards, and includes changes resulting from the Surgery Electronic Signature for Operative Reports patch SR*3*100. See the patch description for details of all changes related to this patch.

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Introduction

This section provides an overview of the Surgery package, and also provides documentation conventions used in this *Surgery V. 3.0 Technical Manual/Security Guide*.

Overview

The Surgery package is designed to be used by Surgeons, Surgical Residents, Anesthetists, Operating Room Nurses, and other surgical staff. The Surgery package is part of the patient information system that stores data on patients who have, or are about to undergo, surgical procedures. This package integrates booking, clinical, and patient data to provide a variety of administrative and clinical reports.

The *Surgery V. 3.0 Technical Manual/Security Guide* acquaints the user with the various Surgery options and offers specific guidance on the maintenance and use of the Surgery package. Documentation concerning the Surgery package, including any subsequent change pages affecting this documentation, is located on the VistA Documentation Library (VDL) on the Internet at <http://www.va.gov/vdl/>.

Organization

The Surgery package contains these six major components, also called modules:

- Requesting and Scheduling
- Tracking Clinical Procedures
- Generating Surgical Reports
- Chief of Surgery Module
- Managing the Software Package
- Assessing Surgical Risk

Requesting and Scheduling

The surgeon uses this component to enter requests for surgical procedures. These requests are then assigned an operating room and time slot by the operating room scheduling manager. The Operating Room Schedule is generated automatically on any designated printer in the medical center. The Request and Scheduling module also allows for the rescheduling or cancellation of operative procedures.

Tracking Clinical Procedures

This component is comprised of options used to enter information specific to an individual surgical case. This information includes staff, times, diagnosis, perioperative occurrences, and anesthesia information. The package is designed so that information regarding a case can be entered on a terminal inside the operating room during the actual operative procedure. This information can then be used to generate the Patient Record and the Nurse Intraoperative Report.

Generating Surgical Reports

This module contains management reports for the Surgical Service. Reports generated include:

- Annual Report of Surgical Procedures
- Attending Surgeons Report
- Nurse Staffing Report
- Laboratory Interim Report

Chief of Surgery Reporting

This module contains options and reports for the exclusive use of the Service Chief. The Chief has access to lists of cancellations and operations to be dictated, the Morbidity and Mortality Report, and Patient Perioperative Occurrences.

Managing the Software Package

This module contains options designed for the Surgery package coordinator. The package coordinator can configure some of the Surgery fields to conform to the site's needs.

Assessing Surgical Risk

This module provides medical centers a mechanism to track information related to surgical risk and operative mortality. It gives surgeons an online method for evaluating and tracking patient probability of operative mortality. The Risk Assessment Data Manager is the primary user of this component.

Implementation and Maintenance

The Implementation and Maintenance section contains information regarding the installation and setup of the Surgery package.

Installation

For installation of the Surgery V. 3.0 software package, please call the VA Service Desk (VASD) at 1-888-596-4357 (HELP).

Site Specific Parameters

Before using the Surgery package, the following initial information must be set up.

1. NEW PERSON File (#200)

All personnel (surgeons, anesthesiologists, nurses, etc.) must be properly defined in the NEW PERSON file (#200).

2. Security Keys

Security keys have various uses in the Surgery package and must be assigned as needed before using the package. The security keys used by the Surgery package are described in the Security Keys section of this manual.

3. Surgery Site Parameters

There are a number of fields contained in the SURGERY SITE PARAMETERS file (#133) that can be updated locally. These fields are described below in the order they display in the Screen Server. The *Surgery Package Management Menu* [SRO PACKAGE MANAGEMENT] option contains the *Surgery Site Parameters (Enter/Edit)* [SROPARAM] option to facilitate editing.

MAIL CODE FOR ANESTHESIA Field (#3): This is the mail code for the Anesthesia service. It will be used to flag anesthesiologists on the Anesthesia AMIS.

CANCEL IVS Field (#6): If this field is set equal to YES, all active IV orders are canceled when a surgical case begins.

DEFAULT BLOOD COMPONENT Field (#41): If a facility uses a certain type of blood component for most surgical cases, the user can enter that blood component in this field. The component displays as a default when requesting blood.

CHIEF'S NAME Field (#9): This is the name of the Chief of Surgery. The name displays on the schedule of operations in the format entered in this field.

LOCK AFTER HOW MANY DAYS Field (#10): This field determines how many days a surgical case remains unlocked after completion. Editing information related to a surgical case is prohibited after a case has been locked.

REQUEST DEADLINE Field (#11): This is the time of day that requests are no longer accepted for the next available day. This field is used along with the REQUEST CUTOFF fields explained in this section.

SCHEDULE CLOSE TIME Field (#13): This is the time of day that the schedule will be closed for the following day. It is used to determine whether canceled cases will appear on the cancellation report. Cases canceled before this time are not counted as cancellations and are deleted from the system. The SCHEDULE CLOSE TIME cannot be later than 3:00 pm.

NURSE INTRAOP REPORT Field (#29): This field determines which format is used when printing the Nurse Intraoperative Report. One format prints all field titles, even when there is no data associated with the field. The other only prints those field titles that have information entered.

CARDIAC ASSESSMENT IN USE (Y/N) Field (#15): This field determines whether the Cardiac Risk Assessment Module is being used at this facility. If so, enter 'YES'; if not enter 'NO'.

ASK FOR RISK PREOP INFO Field (#17): This field is used to determine if the user should be prompted for risk assessment preoperative information when entering a new case and when updating a requested or scheduled case.

SURGICAL RESIDENTS (Y/N) Field (#33): This field indicates whether residents may perform surgery at this facility. Enter NO if all surgeons at this facility are staff surgeons. If this field is NO, an attending surgeon is not required by the PCE interface and cases with no attend code are counted as Level 0 (Staff Alone) on the Quarterly Report.

REQUIRED FIELDS FOR SCHEDULING Field (#28): With Surgery V. 3.0, scheduling of a surgical case can be prohibited until certain fields have been entered. This "multiple" field will contain any fields that are required prior to scheduling a procedure. For example, if the user wants to make the principal operative code (CPT), mandatory for scheduling, the field name would be entered here. Since this is a multiple field, the user can restrict scheduling dependent on more than one field. Fields that are multiple fields or that are word-processing fields cannot be selected.

REQUEST CUTOFF FOR SUNDAY Field (#20): This field determines which day of the week is the cutoff day for requesting cases for Sunday. For example, if the cutoff day is Friday, the user is unable to request cases for Sunday after the request deadline on Friday. Sunday can also be made inactive, prohibiting requests entirely.

Example: Setting Up an Operating Room in the OPERATING ROOM File (#131.7)

```
Select VA FileMan Option: Enter or Edit File Entries

INPUT TO WHAT FILE: OPERATING ROOM
EDIT WHICH FIELD: ALL// <Enter>

Select OPERATING ROOM NAME: OR1
  ARE YOU ADDING 'OR1' AS A NEW OPERATING ROOM (THE 1ST)? Y (YES)
LOCATION: THIRD FLOOR NORTH WING
PERSON RESP.: SURNURSE,ONE
TELEPHONE: EXT 5244
REMARKS: <Enter>
TYPE: ?
  ANSWER WITH OPERATING ROOM TYPE NAME
  DO YOU WANT THE ENTIRE 13-ENTRY OPERATING ROOM TYPE LIST? Y (YES)
CHOOSE FROM:
  AMBULATORY OPERATING ROOM
  CARDIAC OPERATING ROOM
  CARDIAC/NEURO OPERATING ROOM
  CLINIC
  CYSTOSCOPY ROOM
  DEDICATED ROOM
  ENDOSCOPY ROOM
  GENERAL PURPOSE OPERATING ROOM
  INTENSIVE CARE UNIT
  NEUROSURGERY OPERATING ROOM
  ORTHOPEDIC OPERATING ROOM
  OTHER LOCATION
  WARD

TYPE: GENERAL PURPOSE OPERATING ROOM
CLEANING TIME: 30
Select DAY OF THE WEEK: SUNDAY
  ARE YOU ADDING 'SUNDAY' AS A NEW DAY OF THE WEEK (THE 1ST FOR THIS OPERATING ROOM)? Y (YES)
  NORMAL START TIME: <Enter>
  NORMAL END TIME: <Enter>
  INACTIVE (Y/N): YES
Select DAY OF THE WEEK: MONDAY
  ARE YOU ADDING 'MONDAY' AS A NEW DAY OF THE WEEK (THE 2ND FOR THIS OPERATING ROOM)? Y (YES)
  NORMAL START TIME: 07:00
  NORMAL END TIME: 15:30
  INACTIVE (Y/N): <Enter>
Select DAY OF THE WEEK: TUESDAY
  ARE YOU ADDING 'TUESDAY' AS A NEW DAY OF THE WEEK (THE 3RD FOR THIS OPERATING ROOM)? Y (YES)
  NORMAL START TIME: 07:00
  NORMAL END TIME: 15:30
  INACTIVE (Y/N): <Enter>
Select DAY OF THE WEEK: WEDNESDAY
  ARE YOU ADDING 'WEDNESDAY' AS A NEW DAY OF THE WEEK (THE 4TH FOR THIS OPERATING ROOM)? Y (YES)
  NORMAL START TIME: 07:00
  NORMAL END TIME: 15:30
  INACTIVE (Y/N): <Enter>
Select DAY OF THE WEEK: THURSDAY
  ARE YOU ADDING 'THURSDAY' AS A NEW DAY OF THE WEEK (THE 5TH FOR THIS OPERATING ROOM)? Y (YES)
  NORMAL START TIME: 07:00
  NORMAL END TIME: 15:30
  INACTIVE (Y/N): <Enter>
Select DAY OF THE WEEK: FRIDAY
  ARE YOU ADDING 'FRIDAY' AS A NEW DAY OF THE WEEK (THE 6TH FOR THIS OPERATING ROOM)? Y (YES)
  NORMAL START TIME: 07:00
  NORMAL END TIME: 15:30
  INACTIVE (Y/N): <Enter>

  ARE YOU ADDING 'SATURDAY' AS A NEW DAY OF THE WEEK (THE 7TH FOR THIS OPERATING ROOM)? Y (YES)
  NORMAL START TIME: <Enter>
  NORMAL END TIME: <Enter>
  INACTIVE (Y/N): YES
INACTIVE?: <Enter>
```

6. Adding Entries to Surgery-Related Files

There are several site-configurable Surgery files that may need updating to add new entries or to inactivate or change existing entries. These configurable files are listed below. Use the *Update Site Configurable Files* [SR UPDATE FILES] option on the *Surgery Package Management Menu* [SRO PACKAGE MANAGEMENT] option to update these files.

- SURGERY TRANSPORTATION DEVICES file (#131.01)
- SURGERY POSITION file (#132)
- SURGICAL DELAY file (#132.4)
- IRRIGATION file (#133.6)
- SURGERY CANCELLATION REASON file (#135)
- SKIN INTEGRITY file (#135.2)
- PATIENT CONSCIOUSNESS file (#135.4)
- ELECTROGROUND POSITIONS file (#138)
- PROSTHESIS file (#131.9)
- RESTRAINTS AND POSITIONAL AIDS file (#132.05)
- MONITORS file (#133.4)
- SURGERY REPLACEMENT FLUIDS file (#133.7)
- SKIN PREP AGENTS file (#135.1)
- PATIENT MOOD file (#135.3)
- LOCAL SURGICAL SPECIALTY file (#137.45)
- SURGERY DISPOSITION file (#131.6)

7. Flag Drugs for Anesthesia Agents

Drugs to be used as anesthesia agents must be flagged or they cannot be selected as entries in the ANESTHESIA AGENT data fields.

8. Mail Groups

There are three mail groups that should be created with the appropriate persons added as members.

SR-QUARTERLY
RISK ASSESSMENT
SRHL DISCREPANCY

Files

Each entry in the SURGERY file (#130) contains information regarding a surgery case, consisting of an operative procedure, or multiple operative procedures, for a patient. The file includes the information necessary for creating the Nurse Intraoperative Report, the Operation Report, and the Anesthesia Report.

The following files are exported with the Surgery package.

File #	Name	Update DD	Data Comes With File	User Override
130	SURGERY	YES	NO	YES
131	PERSON FIELD RESTRICTION	YES	YES (MERGE)	NO
131.01	SURGERY TRANSPORTATION DEVICES	YES	YES (MERGE)	YES
131.25	OPERATION TIMES	YES	NO	YES
131.6	SURGERY DISPOSITION	YES	YES	NO
131.7	OPERATING ROOM	YES	NO	YES
131.8	SURGERY UTILIZATION	YES	NO	YES
131.9	PROSTHESIS	YES	NO	YES
132	SURGERY POSITION	YES	YES (MERGE)	YES
132.05	RESTRAINTS AND POSITIONAL AIDS	YES	YES (MERGE)	YES
132.4	SURGICAL DELAY	YES	YES (MERGE)	YES
132.8	ASA CLASS	YES	YES (OVERWRITE)	NO
132.9	ATTENDING CODES	YES	YES	NO
132.95	ANESTHESIA SUPERVISOR CODES	YES	YES (OVERWRITE)	NO
133	SURGERY SITE PARAMETERS	YES	NO (OVERWRITE)	YES
133.2	SURGERY INTERFACE PARAMETER	YES	YES	YES
133.4	MONITORS	YES	YES (MERGE)	YES
133.6	IRRIGATION	YES	YES (MERGE)	YES
133.7	SURGERY REPLACEMENT FLUIDS	YES	YES (MERGE)	YES
133.8	SURGERY WAITING LIST	YES	NO	YES
134	OPERATING ROOM TYPE	YES	YES (OVERWRITE)	YES
135	SURGERY CANCELLATION REASON	YES	YES (MERGE)	YES
135.1	SKIN PREP AGENTS	YES	YES (MERGE)	YES
135.2	SKIN INTEGRITY	YES	YES (MERGE)	YES
135.3	PATIENT MOOD	YES	YES (MERGE)	YES
135.4	PATIENT CONSCIOUSNESS	YES	YES (MERGE)	YES
136	SURGERY PROCEDURE/DIAGNOSIS CODES	YES	NO	YES
136.5	PERIOPERATIVE OCCURRENCE CATEGORY	YES	YES (OVERWRITE)	NO
137	CPT EXCLUSIONS	YES	NO	NO
137.45	LOCAL SURGICAL SPECIALTY	YES	YES (OVERWRITE)	YES
138	ELECTROGROUND POSITIONS	YES	YES (MERGE)	YES

File #	Name	Update DD	Data Comes With File	User Override
139.2	RISK MODEL LAB TEST	YES	YES (OVERWRITE)	YES

The following non-Surgery file is exported with the Surgery package.

File #	Name	Update DD	Data Comes With File	User Override
723	MEDICAL SPECIALTY	YES	YES (OVERWRITE)	YES

Routines

The following is the list of routines used in the Surgery package. This list excludes all initialization routines, protocol installation routines, and routines exported with patches that performed a one-time function. The first line of each routine contains a brief description of the general function of the routine. Use the Kernel *First Line Routine Print* [XU FIRST LINE PRINT] option to print a list of just the first line of each routine in the SR- namespace.

SRBL	SRBLOOD	SRCHL7A	SRCHL7U	SRCUSS	SRCUSS0	SRCUSS1	SRCUSS2
SRCUSS3	SRCUSS4	SRCUSS5	SRENSCS	SRHLDW	SRHLDW1	SRHLENV	SRHLMFN
SRHLOORU	SRHLORU	SRHLPOST	SRHLPRE	SRHLQRY	SRHLSCRN	SRHLU	SRHLUI
SRHLUO	SRHLUO1	SRHLUO2	SRHLUO3	SRHLUO4	SRHLUO4C	SRHLVOOR	SRHLVORU
SRHLVQRY	SRHLVU	SRHLVUI	SRHLVUI2	SRHLVUO	SRHLVUO1	SRHLVUO2	SRHLVUO4
SRHLVZIU	SRHLVZQR	SRHLVZSQ	SRHLXTMP	SRHLZIU	SRHLZQR	SRO1L	SRO1L1
SRO3P90	SROA30	SROA38	SROA38A	SROABCH	SROAC	SROAC1	SROAC2
SROACAR	SROACAR1	SROACAT	SROACC	SROACC0	SROACC1	SROACC2	SROACC3
SROACC4	SROACC5	SROACC6	SROACCM	SROACCR	SROACCT	SROACL1	SROACL2
SROACLN	SROACMP	SROACMP1	SROACOD	SROACOM	SROACOM1	SROACOP	SROACPM
SROACPM1	SROACPM2	SROACR1	SROACR2	SROACRC	SROACS	SROACTH	SROACTH1
SROADEL	SROADOC	SROADOC1	SROADX	SROADX1	SROADX2	SROAERR	SROAEX
SROAL1	SROAL11	SROAL2	SROAL21	SROALAB	SROALC	SROALCP	SROALCS
SROALCSP	SROALDP	SROALEC	SROALEN	SROALESS	SROALET	SROALL	SROALLP
SROALLS	SROALLSP	SROALM	SROALMN	SROALN1	SROALN2	SROALN3	SROALNC
SROALNO	SROALOG	SROALSL	SROALSS	SROALSSP	SROALST	SROALSTP	SROALT
SROALTP	SROALTS	SROALTSP	SROAMAN	SROAMEAS	SROAMIS	SROAMIS1	SROANEST
SROANEW	SROANIN	SROANP	SROANP1	SROANR	SROANR0	SROANR1	SROANT
SROANTP	SROANTS	SROANTSP	SROAO	SROAOP	SROAOP1	SROAOP2	SROAOPS
SROAOSET	SROAOTH	SROAOUT	SROAPAS	SROAPC	SROAPCA	SROAPCA0	SROAPCA1
SROAPCA2	SROAPCA3	SROAPCA4	SROAPIMS	SROAPM	SROAPR1A	SROAPR2	SROAPRE
SROAPRE1	SROAPRE2	SROAPRT1	SROAPRT2	SROAPRT3	SROAPRT4	SROAPRT5	SROAPRT6
SROAPRT7	SROAPS1	SROAPS2	SROAR	SROAR1	SROAR2	SROARET	SROARPT
SROASITE	SROASS	SROASS1	SROASSE	SROASSN	SROASSP	SROASWAP	SROASWP
SROASWP0	SROASWP1	SROASWP2	SROASWP3	SROASWPD	SROAT0P	SROAT0T	SROAT1P
SROAT1T	SROAT2P	SROAT2T	SROATCM	SROATCM1	SROATCM2	SROATCM3	SROATM1
SROATM2	SROATM3	SROATM4	SROATMIT	SROATMNO	SROATT	SROATT0	SROATT1
SROATT2	SROAUTL	SROAUTL0	SROAUTL1	SROAUTL2	SROAUTL3	SROAUTL4	SROAUTLC
SROAWL	SROAWL1	SROAX	SROBLOD	SROCAN	SROCAN0	SROCANUP	SROCASE
SROCCAT	SROCD	SROCD0	SROCD1	SROCD2	SROCD3	SROCD4	SROCDX
SROCDX1	SROCDX2	SROCL1	SROCLAB	SROCMP	SROCMP1	SROCMP2	SROCMPD
SROCMPED	SROCMPL	SROCMPS	SROCNR	SROCNR1	SROCNR2	SROCODE	SROCOM
SROCOMP	SROCON	SROCON1	SROCOND	SROCPT	SROCPT0	SROCRAT	SROCOVER
SRODATE	SRODEL76	SRODELA	SRODEV	SRODIS	SRODIS0	SRODLA1	SRODLA2
SRODLAY	SRODLT	SRODLT0	SRODLT1	SRODLT2	SRODPT	SRODTH	SROERR
SROERR0	SROERR1	SROERR2	SROERRPO	SROES	SROESAD	SROESAD1	SROESAR
SROESAR0	SROESAR1	SROESAR2	SROESARA	SROESHL	SROESL	SROESNR	SROESNR0
SROESNR1	SROESNR2	SROESNR3	SROESNRA	SROESPR	SROESPR1	SROESPR2	SROESTV
SROESUTL	SROESX	SROESX0	SROESXA	SROESXP	SROFILE	SROFLD	SROGMTS
SROGMTS0	SROGMTS1	SROGMTS2	SROGTSR	SROHIS	SROICD	SROICU	SROICU1
SROICU2	SROINQ	SROIRR	SROKEY	SROKEY1	SROKRET	SROLABS	SROLOCK
SROMED	SROMENU	SROMOD	SROMOD0	SROMOR	SROMORT	SRONAN	SRONAN1
SRONASS	SRONBCH	SRONEW	SRONI001	SRONIN	SRONIT	SRONIT1	SRONIT2
SRONIT3	SRONITE	SRONON	SRONOP	SRONOP1	SRONOR	SRONOR1	SRONOR2
SRONOR3	SRONOR4	SRONOR5	SRONOR6	SRONOR7	SRONOR8	SRONP	SRONP0
SRONP1	SRONP2	SRONPEN	SRONRPT	SRONRPT0	SRONRPT1	SRONRPT2	SRONRPT3
SRONUR	SRONUR1	SRONUR2	SRONXR	SROOPRM	SROOPRM1	SROP	SROP1
SROPAC0	SROPAC1	SROPACT	SROPAT	SROPCE	SROPCE0	SROPCE0A	SROPCE0B
SROPCE1	SROPCEP	SROPCEU	SROPCEU0	SROPCEX	SROPDEL	SROPECS	SROPECS1
SROPER	SROPFSS	SROPLIS	SROPLIST	SROPLST1	SROPLSTS	SROPOST	SROPOST0

SROPOST1	SROPOST2	SROPPC	SROPRE	SROPRE0	SROPREQ	SROPRI	SROPRI1
SROPRI2	SROPRIN	SROPPIO	SROPRI1	SROPRI2	SROPRI3	SROPS	SROPS1
SROPSEL	SROPSN	SROQ	SROQ0	SROQ0A	SROQ1	SROQ1A	SROQ2
SROQADM	SROQD	SROQD0	SROQD1	SROQIDP	SROQIDP0	SROQL	SROQM
SROQM0	SROQM1	SROQN	SROQT	SROR	SRORACE	SRORAT1	SRORAT2
SRORATA	SRORATP	SRORATS	SROREA	SROREA1	SROREA2	SROREAS	SROREQ
SROREQ1	SROREQ2	SROREQ3	SROREQ4	SROREST	SRORES	SRORHRS	SRORHRS
SRORHRS0	SRORIN	SRORTRN	SRORUT	SRORUT0	SRORUT1	SRORUT2	SROSCH
SROSCH1	SROSCH2	SROSNR	SROSNR1	SROSNR2	SROSPC1	SROSPEC	SROSPLG
SROSPLG1	SROSPLG2	SROSPSS	SROSRPT	SROSRRT	SROSTAFF	SROSTOP	SROSUR
SROSUR1	SROSUR2	SROTHER	SROTIUD	SROTRIG	SROTRPT	SROTRPT0	SROUNV
SROUNV1	SROUNV2	SROUTC	SROUTED	SROUTIN	SROUTL	SROUTL0	SROUTL1
SROUTLN	SROUTUP	SROVAR	SROVER	SROVER1	SROVER2	SROVER3	SROWC
SROWC1	SROWC2	SROWC3	SROWL	SROWL0	SROWRQ	SROWRQ1	SROXPR
SROXR1	SROXR2	SROXR4	SROXREF	SROXRET	SRSVAVG	SRSVAVL	SRSVAVL1
SRSBD1	SRSBDEL	SRSBLOK	SRSBOUT	SRSCAN	SRSCAN0	SRSCAN1	SRSCAN2
SRSCD	SRSCDS	SRSCDS1	SRSCDW	SRSCDW1	SRSCG	SRSCHAP	SRSCHC
SRSCHC1	SRSCHC2	SRSCHCA	SRSCHCC	SRSCHD	SRSCHD1	SRSCHD2	SRSCHDA
SRSCHDC	SRSCHK	SRSCHOR	SRSCHUN	SRSCHUN1	SRSCHUP	SRSCONR	SRSCOR
SRSCPT	SRSCPT1	SRSCPT2	SRSCRAP	SRSDIS1	SRSDISP	SRSDT	SRSGRPH
SRSIND	SRSKILL	SRSKILL1	SRSKILL2	SRSLOOK	SRSLOOK1	SRSMREQ	SRSPUT0
SRSPUT1	SRSPUT2	SRSRBS	SRSRBS1	SRSRBW	SRSRBW1	SRSREQ	SRSREQUT
SRSRQST	SRSRQST1	SRSTCH	SRSTIME	SRSUP1	SRSUPC	SRSUPRG	SRSUPRQ
SRSUTIN	SRSUTL	SRSUTL2	SRSWL	SRSWL1	SRSWL10	SRSWL11	SRSWL12
SRSWL13	SRSWL14	SRSWL15	SRSWL2	SRSWL3	SRSWL4	SRSWL5	SRSWL6
SRSWL7	SRSWL8	SRSWL9	SRSWLST	SRSWREQ			

605 routines

Exported Options

This section contains information about the Surgery package options; first, the exported options are listed by name, and then they are provided alphabetically, with a description of the option.

Options Listed by Name

The following table contains a list of all of the options in the Surgery package, listed alphabetically by name.

SR ANESTH REPORTS	SR BLOOD PRODUCT VERIFICATION	SR BLOOD PRODUCT VERIFY AUDIT
SR CPT ACCURACY	SR CPT REPORTS	SR MANAGE REPORTS
SR NO ASSESSMENT REASON	SR NON-OR INFO	SR NON-OR REPORT
SR NORMAL HOURS	SR OR HOURS	SR OR UTIL
SR OR UTL1	SR PURGE UTILIZATION	SR STAFFING REPORTS
SR SURGERY REQUEST	SR UPDATE FILES	SR UPDATE SCHEDULE DEVIC
SR UTIL EDIT ROOM	SR VIEW HISTORICAL REPORTS	SRCODING EDIT
SRCODING MENU	SRCODING NURSE REPORT	SRCODING OP REPORT
SRCODING UPDATE/VERIFY MENU	SRHL DOWNLOAD INTERFACE FILES	SRHL DOWNLOAD SET OF CODES
SRHL INTERFACE	SRHL INTERFACE FLDS	SRHL PARAMETER
SRO CASES BY DISPOSITION	SRO CASES BY PRIORITY	SRO COMPLICATIONS MENU
SRO DEATH RELATED	SRO DEL MENU	SRO DELAY TIME
SRO ECS COMPLIANCE	SRO INTRAOP COMP	SRO M&M VERIFICATION REPORT
SRO PACKAGE MANAGEMENT	SRO PCE NOTRANS	SRO PCE STATUS
SRO POSTOP COMP	SRO QUARTERLY REPORT	SRO SURGICAL PRIORITY
SRO UPDATE CANCELLED CASE	SRO UPDATE RETURNS	
SRO-CHIEF REPORTS	SRO-LRRP	SRO-ROOM
SRO-UNLOCK	SROA ASSESSMENT LIST	SROA CARDIAC COMPLICATIONS
SROA CARDIAC ENTER/EDIT	SROA CARDIAC OPERATIVE RISK	SROA CARDIAC PROCEDURES
SROA CARDIAC RESOURCE	SROA CARDIAC-OUTCOMES	SROA CATHETERIZATION
SROA CLINICAL INFORMATION	SROA CODE ISSUE	SROA COMPLETE ASSESSMENT
SROA DEMOGRAPHICS	SROA ENTER/EDIT	SROA LAB
SROA LAB TEST EDIT	SROA LAB-CARDIAC	SROA MONTHLY WORKLOAD REPORT
SROA ONE-LINER UPDATE	SROA OPERATION DATA	SROA OUTCOMES
SROA PREOP DATA	SROA PRINT ASSESSMENT	SROA REPRINT LETTERS

SROA RISK ASSESSMENT	SROA TRANSMIT ASSESSMENTS	SROA TRANSMITTED IN ERROR
SROACCT	SROADOC	SROAMIS
SROANES	SROANES MED	SROANES-D
SROANES1	SROANP	SROARPT
SROARSP	SROASITE	SROATT
SROCAN	SROCHIEF	SROCNR
SROCODE	SROCOMP	SROCRAT
SRODELA	SRODISP	SROERR BACKFILL
SROICU	SROKEY ENTER	SROKEY MENU
SROKEY REMOVE	SROMEN-ANES	SROMEN-ANES TECH
SROMEN-COM	SROMEN-M&M	SROMEN-OP
SROMEN-OPINFO	SROMEN-OUT	SROMEN-PACU
SROMEN-POST	SROMEN-REFER	SROMEN-REST
SROMEN-STAFF	SROMEN-START	SROMENU
SROMM	SRONOP	SRONOP-ANNUAL
SRONOP-EDIT	SRONOP-ENTER	SRONOR
SRONOR-CODERS	SRONRPT	SRONSR
SROOPREQ	SROP REQ	SROPACT
SROPARAM	SROPER	SROPLIST
SROPLIST1	SROPPC	SROQ LIST OPS
SROQ MENU	SROQ MISSING DATA	SROQADM
SROQD	SROQIDP	SROREAS
SROREQ	SROREQV	SRORET
SRORPTS	SROSCH	SROSCHOP
SROSNR	SROSPEC	SROSRES
SROSRPT	SROSTAFF	SROSUR
SROTRPT	SROUNV	SROVER
SROW-DELETE	SROW-EDIT	SROW-ENTER
SROWAIT	SROWC	SROWRQ
SRSBDEL	SRSBOUT	SRSCAN
SRSCD	SRSCHD1	SRSCHDA
SRSCHDC	SRSCHUP	SRSCPT
SRSRBS	SRSREQCC	SRSUPC
SRSUPRQ	SRSWL2	SRSWREQ
SRTASK-NIGHT		

The full report includes all patients who had operations within the selected date range who experienced intraoperative occurrences, postoperative occurrences or death within 90 days of surgery. The pre-transmission report is similar but includes operations with completed risk assessments that have not yet transmitted to the national database.

Full Report:

Information is printed by patient, listing all operations for the patient that occurred during the selected date range, plus any operations that may have occurred within 30 days prior to any postoperative occurrences or within 90 days prior to death. Therefore, this report may include some operations that were performed prior to the selected date range and, if printed by specialty, may include operations performed by other specialties. For every operation listed, the intraoperative and postoperative occurrences are listed. The report indicates if the operation was flagged as unrelated or related to death and the risk assessment type and status. The report may be printed for a selected list of surgical specialties.

Pre-Transmission Report:

Information is printed in a format similar to the full report. This report lists all completed risk assessed operations that have not yet transmitted to the national database and that have intraoperative occurrences, postoperative occurrences, or death within 90 days of surgery. The report includes any operations that may have occurred within 30 days prior to any postoperative occurrences or within 90 days prior to death. Therefore, this report may include some operations that may or may not be risk assessed, and, if risk assessed, may have a status other than 'complete'. However, every patient listed on this report will have at least one operation with a risk assessment status of 'complete'.

Maintain Surgery Waiting List

[SROWAIT]

This menu contains options to enter, edit, and delete patients on the surgery waiting list. It also includes an option to print the list.

Make Operation Requests

[SROOPREQ]

This option is used to “book” operations for a selected date. This request will in turn be scheduled for a specific operating room at a specific time on that date.

Make a Request for Concurrent Cases

[SRSREQCC]

This option is used to request concurrent operative procedures.

Make a Request from the Waiting List

[SRSWREQ]

This option is used to “book” a patient for surgery that has been entered on the waiting list. The operative procedure and specialty will be stuffed automatically.

Make Reports Viewable in CPRS

[SR VIEW HISTORICAL REPORTS]

This option allows Operation Reports, Nurse Intraoperative Reports, Anesthesia Reports and Procedure Reports (Non-O.R.) for historical cases to be moved into TIU as "electronically unsigned" to make them viewable through the Computerized Patient Record System (CPRS).

Management Reports

[SR MANAGE REPORTS]

This menu contains various management type reports used by the surgical service.

Management Reports

[SRO-CHIEF REPORTS]

This menu contains various management reports to be generated by the Chief of Surgery.

Medications (Enter/Edit) [SROANES MED]

This option is used to enter or edit medications given during the operative procedure.

Monthly Surgical Case Workload Report [SROA MONTHLY WORKLOAD REPORT]

This option generates the Monthly Surgical Case Workload Report that may be printed and/or transmitted to the NSQIP national database.

Morbidity & Mortality Reports [SROMM]

This option generates the Morbidity and Mortality Reports to be used by the Chief of Surgery. This option includes the Mortality Report and Perioperative Occurrences Report.

Non-Cardiac Assessment Information (Enter/Edit) [SROA ENTER/EDIT]

This menu contains options used to enter and edit information related to individual risk assessments.

Non-O.R. Procedure Info [SR NON-OR INFO]

This option displays information on the selected non-OR procedure except the provider's dictated summary. This information may be printed or reviewed on the screen.

Non-O.R. Procedures [SRONOP]

This menu contains options related to non-O.R. procedures.

Non-O.R. Procedures (Enter/Edit) [SRONOP-ENTER]

This option is used to enter, update, or delete information related to non-OR procedures.

Non-Operative Occurrences (Enter/Edit) [SROCOMP]

This option is used to enter or edit occurrences that are not related to surgical procedures.

Normal Daily Hours (Enter/Edit) [SR NORMAL HOURS]

This option is used to enter or edit the daily start and end times for each operating room. The information is used to set up the start and end times, for operating room utilization, on a weekly basis.

Nurse Intraoperative Report [SRONRPT]

This option generates the Nurse Intraoperative Report, which contains surgical case information documented by nursing staff. Before the report is electronically signed, the option displays information directly from the SURGERY file (#130), giving the user choices to edit the information on the report, to print/view the report from the beginning, and to sign the report electronically if appropriate for the user. After the report is electronically signed, this option allows the signed report to be edited by updating the information in the SURGERY file (#130) and by creating addenda. This option also allows the signed report to be viewed or printed.

Nurse Intraoperative Report [SRCODING NURSE REPORT]

Coders use this option to print the Nurse Intraoperative Report for an operation. If the report is not electronically signed, the option displays information directly from the SURGERY file (#130), giving the choice to edit the information on the report, to print/view the report from the beginning, and to sign the report electronically if appropriate for the user. After the report is electronically signed, this option allows the signed report to be edited by updating the information in the SURGERY file (#130) and by creating addenda. This option also allows the signed report to be viewed or printed. This report is not available for non-OR procedures.

Report of Daily Operating Room Activity

[SROPACT]

This report provides a list of cases started between 6:00 AM on the date selected and 5:59 AM of the following day for all operating rooms.

Report of Delay Reasons

[SROREAS]

This option prints the Report of Delay Reasons. This report will display the total number of times each reason was used for the date range selected. It can be sorted by surgical specialty or displayed for an individual surgical specialty.

Report of Delay Time

[SRO DELAY TIME]

This report provides the total amount of delay time for each delay reason over a specified range of dates.

Report of Delayed Operations

[SRODELA]

This report displays all cases that have been delayed. It will display both the delay cause and delay time.

Report of Missing Quarterly Report Data

[SROQ MISSING DATA]

This option generates a list of surgical cases performed within the selected date range that are missing information used by the Quarterly Report. This report includes surgical cases with an entry in the TIME PAT IN OR field and does not include aborted cases.

Report of Non-O.R. Procedures

[SRONOR]

This report lists chronologically Non-OR Procedures sorted by Medical Specialty, by provider, or by location.

Report of Non-O.R. Procedures

[SRONOR-CODERS]

This report lists chronologically Non-OR Procedures sorted by Medical Specialty, by provider or by location.

Report of Normal Operating Room Hours

[SR OR HOURS]

This report outputs the start time and the end time of the normal working hours for all operating rooms or for the selected operating room for each date within the specified date range. The total time of the normal working day is displayed for each operating room for each date.

Report of Returns to Surgery

[SRORET]

This option generates a report listing information related to cases that have related surgical procedures within 30 days of the date of the operation.

Report of Surgical Priorities

[SRO SURGICAL PRIORITY]

This report provides the total number of surgical cases for each Surgical Priority (i.e. Elective, Emergent, Urgent). It can be sorted by Surgical Specialty and printed for a specific specialty.

Report of Unscheduled Admissions to ICU

[SROICU]

This report lists all unscheduled admissions to the ICU based on the requested (expected) postoperative care and actual postoperative disposition.

Request Operations

[SROREQ]

This menu contains the various options used to make, delete, update and display requested operations.

- Requests by Ward*** [SROWRQ]
This option prints request information for all wards, or a specific ward.
- Reschedule or Update a Scheduled Operation*** [SRSCHUP]
This option is used to change the date, time or operating room for which a case is scheduled. It may also be used to update information entered when the case was requested or scheduled.
- Resource Data*** [SROA CARDIAC RESOURCE]
This option is used to enter, edit or review risk assessment cardiac patient demographic information such as hospital admission and discharge dates and other information related to this surgical episode.
- Review Request Information*** [SROREQV]
This option is used to review or edit request information for an individual case.
- Risk Model Lab Test (Enter/Edit)*** [SROA LAB TEST EDIT]
This option is used to allow the nurse to map NSQIP-CICSP data in the Risk Model Lab Test (#139.2) file.
- Schedule Anesthesia Personnel*** [SRSCHDA]
This option is used to schedule anesthesia personnel for surgery cases.
- Schedule Operations*** [SROSCHOP]
This menu contains the various options used to schedule, update, cancel and display scheduled operations.
- Schedule Requested Operations*** [SRSCHD1]
This option is used to schedule cases that have been previously “booked” for the selected date.
- Schedule Unrequested Concurrent Cases*** [SRSCHDC]
This option is used to schedule concurrent cases that have not been requested.
- Schedule Unrequested Operations*** [SROSRES]
This option is used to schedule cases that have not been previously “booked.” The user will be asked to enter some initial information regarding this case as well as the operating room and date/time for it to be scheduled.
- Schedule of Operations*** [SROSCH]
This option generates the Operating Room Schedule to be used by the OR nurses, surgeons and anesthesiologists.
- Scrub Nurse Staffing Report*** [SROSNR]
This report contains general information for completed cases, sorted by the Operating Room Scrub Nurse.
- Surgeon Staffing Report*** [SROSUR]
This report prints completed cases, sorted by the surgeon and his role (i.e. attending, first assistant) for each case. It includes the procedure, diagnosis and operation date/time.
- Surgeon's Verification of Diagnosis & Procedures*** [SROVER]
This option is used to verify that the procedure(s), diagnosis and complications are correct for the case. It is intended for use by the Surgeon, not the OR nurses.

Templates

This section lists the templates provided with the Surgery package.

Input Templates

The following are input templates included with the Surgery package.

SREQUEST file #130
SRISK-MISC file #130
SRISK-NOCARD file #130
SRISK-NOCOMP file #130
SRNON-OR file #130
SRNORRPT file #130
SRO-NOCOMP file #130
SROANES-AMIS file #130
SROARPT file #130
SROCOMP file #130
SROMEN-ANES file #130
SROMEN-ANES TECH file #130
SROMEN-COMP file #130
SROMEN-OPER file #130
SROMEN-OUT file #130
SROMEN-PACU file #130
SROMEN-POST file #130
SROMEN-REFER file #130
SROMEN-STAFF file #130
SROMEN-START file #130
SRONRPT file #130
SROSRPT file #130
SROTHER file #130
SROVER file #130
SRPARAM file #133
SRSCHED-UNREQUESTED file #130
SRSREQV file #130
SRSRES-ENTRY file #130
SRSRES-SCHED file #130
SRSRES1 file #130
SROALAB file #139.2

Sort Template

One sort template is included:

SR BLOOD PRODUCT VERIFICATION file #19.081

Editing Input Templates

Input templates are used by package options that use the Surgery Screen Server to define the fields that are displayed for editing. These input templates may themselves be edited to add fields, to remove fields or to rearrange field display order. Below is a list of options used for entering operation or non-OR procedure information and the associated input templates used by the screen server.

Option	Template
Surgical Staff [SRROMEN-STAFF]	SRROMEN-STAFF
Operation Startup [SRROMEN-START]	SRROMEN-START
Operation [SRROMEN-OP]	SRROMEN-OPER
Operation (Short Screen) [SRROMEN-OUT]	SRROMEN-OUT
Post Operation [SRROMEN-POST]	SRROMEN-POST
Enter PAC(U) Information [SRROMEN-PACU]	SRROMEN-PACU
Edit Non-O.R. Procedure [SRNONOP-EDIT]	SRNON-OR

Page 47 has been deleted. The section on routine mapping has been removed.

(This page included for two-sided copying.)

External Relations

This section lists the packages needed to run the Surgery package, and also the calls that are made by the Surgery package to external routines.

Packages Needed to Run Surgery

Surgery V. 3.0 relies minimally on the following external packages. This software is not included in this package and must be installed before Surgery V. 3.0 is completely functional.

Package	Minimum Version Needed
Kernel	8.0
VA FileMan	21.0
MailMan	7.1
PIMS	5.3
Laboratory	5.2
Inpatient Medications	4.5
Pharmacy Data Management	1.0
Patient Care Encounter	1.0
Health Level Seven	1.5
Order Entry/Results Reporting	3.0
Text Integration Utilities	1.0
Authorization/Subscription Utility	1.0
Vitals	5.0

Calls Made by Surgery

Surgery V. 3.0 makes calls to the following external routines:

Routine	Entry Points Used
%DT	^%DT, DD
%DTC	^%DTC, C, DW, H, NOW
%RCR	%XY
%ZIS	%ZIS, HOME
%ZISC	^%ZISC
%ZISS	ENDR, KILL
%ZOSV	\$\$EC, T0, T1
%ZTLOAD	^%ZTLOAD, \$\$\$
AUPNVSIT	ADD, SUB
CSLSUR1	\$\$BLDSEG
DDIOL	EN
DGPMDDCF	WIN
DGPTFAPI	RPC

Routine	Entry Points Used
DGRPDB	DIS
DGUTL3	\$\$BADADR
DGUTL4	\$\$PTR2CODE
DIC	^DIC,LIST
DICN	WAIT, FILE, YN
DICRW	DT
DID	\$\$GET1,FIELD
DIE	^DIE,CHK,FILE,HELP,UPDATE,WP
DIFROM0	Q
DII	OS
DIK	^DIK, DIE, EN, EN1, ENALL, IX1, IXALL
DIKZ	EN
DILFD	\$\$EXTERNAL
DINIT	N
DIP	EN1
DIQ	\$\$GET1 ,D, EN, GETS, Y
DIQ1	EN
DIR	^DIR
DITR	I
DIU	DI
DIU2	EN
DIWE	EN
DIWP	^DIWP
DIWW	^DIWW
GMRADPT	^GMRADPT
GMRVUTL	EN6
GMRVUT0	EN1
HLFNC	\$\$FMDATE, \$\$FMNAME, \$\$HLDATE
HLFNC2	INIT
HLMA	GENERATE
HLMA1	GENACK
HLTRANS	EN, EN1, INIT, KILL
ICDCODE	\$\$ICDDX
ICPTAPIU	COPY
ICPTCOD	\$\$CPT, \$\$CPTD
ICPTMOD	\$\$MOD, \$\$MODP
LRBLB	BAR
LRBLBU	^LRBLBU
MPIF001	\$\$GETICN

Routine	Entry Points Used
ORVOM	DOT
PSSGIU	END, ENS
PSS50	DATA
PSSDI	DIC
PSSHUIDG	DRG
PXAPI	\$\$DATA2PCE, \$\$DELVFILE
SDCO21	CL
TIULC1	\$\$DOCCLASS
TIULG	\$\$PRNTGRP, \$\$PRNTMTHD, \$\$PRNTNBR
TIULQ	EXTRACT
TIUPUTU	\$\$WHATITLE
TIUSROI	ES
TIUSRVLR	GETDOCS
TIUSRVP	DELETE, FILE, MAKE, MAKEADD, UPDATE
TIUSRVP1	\$\$CANDEL, DOCPARM, TGET
USRLM	\$\$ISA
VADPT	ADD ,DEM, ELIG, IN5, INP, KVA ,OERR, OPD, SVC
VAFHLPID	\$\$EN
VASITE	\$\$NAME, \$\$SITE
VBECA1B	AVUNIT
VPRSR	DEL, NEW, UPD
XLFDT	\$\$FMADD, \$\$FMDIFF, \$\$FMTE ,\$\$HTFM, \$\$NOW
XLFSTR	\$\$LJ, \$\$UP
XMA1C	REMSBMSG
XMBGRP	\$\$MG
XMD	^XMD
XPAR	PUT
XPDUTL	\$\$NEWCP, \$\$PARCP, \$\$PATCH, \$\$SUPCP, \$\$VERSION, BMES, MES
XQALERT	DELETEA, SETUP
XUPARAM	\$\$KSP
XUSESIG	SIG

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Contingency Planning

Sites using the Surgery package should develop a local contingency plan to be used in the event of product problems in a live environment. The facility contingency plan must identify the procedure for maintaining functionality provided by this package in the event of system outage. Field Station Information Security Officers (ISOs) can obtain further assistance from their Network Information Security Officers.

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Surgery Package Management Menu

Locked with **SRCOORD**

- Surgery Site Parameters (Enter/Edit)
- Operating Room Information (Enter/Edit)
- Surgery Utilization Menu
 - Operating Room Utilization (Enter/Edit)
 - Normal Daily Hours (Enter/Edit)
 - Operating Room Utilization Report
 - Report of Normal Operating Room Hours
 - Purge Utilization Information
- Person Field Restrictions Menu
 - Enter Restrictions for 'Person' Fields
 - Remove Restrictions for 'Person' Fields
- Update O.R. Schedule Devices
- Update Staff Surgeon Information
- Flag Drugs for Use as Anesthesia Agents
- Update Site Configurable Files
- Backfill Order File with Surgical Cases
- Surgery Interface Management Menu
 - Flag Interface Fields
 - File Download
 - Table Download
 - Update Interface Parameter Field
- Make Reports Viewable in CPRS

Locked with **SRCOORD**

Locked with **SRCOORD**

Surgery Risk Assessment Menu

Locked with **SR RISK ASSESSMENT**

- Non-Cardiac Risk Assessment Information (Enter/Edit)
 - Preoperative Information (Enter/Edit)
 - Laboratory Test Results (Enter/Edit)
 - Operation Information (Enter/Edit)
 - Patient Demographics (Enter/Edit)
 - Intraoperative Occurrences (Enter/Edit)
 - Postoperative Occurrences (Enter/Edit)
 - Update Status of Returns Within 30 Days
 - Update Assessment Status to 'COMPLETE'
 - Alert Coder Regarding Coding Issues
- Cardiac Risk Assessment Information (Enter/Edit)
 - Clinical Information (Enter/Edit)
 - Laboratory Test Results (Enter/Edit)
 - Enter Cardiac Catheterization & Angiographic Data
 - Operative Risk Summary Data (Enter/Edit)
 - Cardiac Procedures Operative Data (Enter/Edit)
 - Intraoperative Occurrences (Enter/Edit)
 - Postoperative Occurrences (Enter/Edit)
 - Outcome Information (Enter/Edit)
 - Resource Data
 - Update Assessment Status to 'COMPLETE'
 - Alert Coder Regarding Coding Issues

- Print a Surgery Risk Assessment
 - Update Assessment Completed/Transmitted in Error
 - List of Surgery Risk Assessments
 - Print 30 Day Follow-up Letters
 - Exclusion Criteria (Enter/Edit)
 - Monthly Surgical Case Workload Report
 - Update Operations as Unrelated/Related to Death
 - M&M Verification Report
 - Update 1-Liner Case
 - Queue Assessment Transmissions
 - Risk Model Lab Test (Enter/Edit)

CPT/ICD9 Coding Menu

Locked with **SR CODER**

- CPT/ICD9 Update/Verify Menu
 - Update/Verify Procedure/Diagnosis Codes
 - Operation/Procedure Report
 - Nurse Intraoperative Report
 - Non-OR Procedure Information
- Cumulative Report of CPT Codes
- Report of CPT Coding Accuracy
- List Completed Cases Missing CPT Codes
- List of Operations
- List of Operations (by Surgical Specialty)
- List of Undictated Operations
- Report of Daily Operating Room Activity
- PCE Filing Status Report
- Report of Non-O.R. Procedures

Locked with **SR CODER**

Security Key	Description
SROSURG	This key is required when accessing the <i>Undictated Operations</i> [SRODICT] option and the <i>Enter/Edit Non-Operative Complications</i> [SROCOMP] option.
SROWAIT	This key is required when accessing the <i>Maintain Surgery Waiting List</i> [SROWAIT] option. Only users responsible for adding, changing, deleting, or printing data on the waiting list are given this key.

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