# Surgery Technical Manual/Security Guide



Version 3.0
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Department of Veterans Affairs

Office of Information and Technology (OIT)

Product 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
07/14	i, 14, 18-19, 39, 40	SR*3*177	Removed "9" from references to ICD. Added File 130.4 ICD SEARCH API. Added 3 new routines: SR3P177, SROICDGT, and SROICDL. Added input templates: SREQUEST-ICD10, SRSCHED-UNREQUESTED-ICD10, SRSRES2. (K. Krause, VA PM; D. Getman, HP PM; E. Phelps,
03/12	i, iii, 10, 18-19, 23- 25, 71, 73, 80-82	SR*3*176	Tech Writer)  References to "Quarterly Report" removed. Routine "SROQ30D" added to the list of routines. Removal of "9" from references to ICD. Appendix A removed. Index renumbered. (T. Leggett, PM; B. Thomas, Tech Writer)
09/11	i, 13, 18-19, 20-22, 24-29, 34-36, 38, 40, 67, 69, 78-79	SR*3*175	Change in definitions. Routine SRTOVRF added to the list of routines. Options description list updated. Quarterly Report Menu removed. References to CICSP and NSQIP removed from the Glossary. (T. Leggett, PM; B. Thomas, Tech Writer)
12/10	i, 27	SR*3*174	Change in definition of List of Surgery Risk Assessments report. (T. Leggett, PM; B. Thomas, Tech Writer)
11/08	All	SR*3*167	Updated to provide the Surgery Transplant Assessment module information. Additions necessitated a document reissue. (M. Montali, PM; G. O'Connor, Tech Writer)

(This page included for two-sided copying.)

#### 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)
- 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

The following mail groups should be created with the appropriate persons added as members.

RISK ASSESSMENT SRHL DISCREPANCY SR TRANSPLANT

## **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
130.4	ICD SEARCH API	YES	YES	NO
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

(This page included for two-sided copying.)

## **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.

SR3P177	SRBL	SRBLOOD	SRCHL7A	SRCHL7U	SRCUSS	SRCUSS0	SRCUSS1
SRCUSS2	SRCUSS3	SRCUSS4	SRCUSS5	SRENSCS	SRHLDW	SRHLDW1	SRHLENV
SRHLMFN	SRHLOORU	SRHLORU	SRHLQRY	SRHLSCRN	SRHLU	SRHLUI	SRHLUO
SRHLU01	SRHLUO2	SRHLUO3	SRHLUO4	SRHLUO4C	SRHLVOOR	SRHLVORU	SRHLVQRY
SRHLVU	SRHLVUI	SRHLVUI2	SRHLVUO	SRHLVU01	SRHLVUO2	SRHLVUO4	SRHLVZIU
SRHLVZQR	SRHLVZSQ	SRHLXTMP	SRHLZIU	SRHLZQR	SRO1L	SRO1L1	SROA30
SROABCH	SROACAR	SROACAR1	SROACAT	SROACC	SROACC0	SROACC1	SROACC2
SROACC3	SROACC4	SROACC5	SROACC6	SROACCM	SROACCT	SROACL1	SROACL2
SROACLN	SROACMP	SROACMP1	SROACOD	SROACOM	SROACOM1	SROACOP	SROACPM
SROACPM1	SROACPM2	SROACR1	SROACR2	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	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	SROCVER
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	SROICDGT	SROICDL
SROICU	SROICU1	SROICU2	SROINQ	SROIRR	SROKEY	SROKEY1	SROKRET
SROLABS	SROLOCK	SROMED	SROMENU	SROMOD	SROMOD0	SROMOR	SROMORT
SRONAN	SRONAN1	SRONASS	SRONBCH	SRONEW	SRONIN	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	SROPPC	SROPREQ	SROPRI	SROPRI1	SROPRI2
SROPRIN	SROPRIO	SROPRIT	SROPROC	SROPRPT	SROPS	SROPS1	SROPSEL
SROPSN	SROQ	SROQ0	SROQ0A	SROQ30D	SROQADM	SROQD	SROQD0

SROQD1	SROQIDP	SROQIDP0	SROQL	SROQN	SROR	SRORACE	SRORAT1
SRORAT2	SRORATA	SRORATP	SRORATS	SROREA	SROREA1	SROREA2	SROREAS
SROREQ	SROREQ1	SROREQ2	SROREQ3	SROREQ4	SROREST	SRORESV	SRORET
SRORHRS	SRORHRS0	SRORIN	SRORTRN	SRORUT	SRORUT0	SRORUT1	SRORUT2
SROSCH	SROSCH1	SROSCH2	SROSNR	SROSNR1	SROSNR2	SROSPC1	SROSPEC
SROSPLG	SROSPLG1	SROSPLG2	SROSPSS	SROSRPT	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	SRSAVG	SRSAVL	SRSAVL1
SRSBD1	SRSBDEL	SRSBLOK	SRSBOUT	SRSBUTL	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	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	SRTOVRF	SRTPASS	SRTPCOM	SRTPDONR
SRTPHRT1	SRTPHRT2	SRTPHRT3	SRTPHRT4	SRTPHRT5	SRTPHRT6	SRTPKID1	SRTPKID2
SRTPKID3	SRTPKID4	SRTPKID6	SRTPLIV1	SRTPLIV2	SRTPLIV3	SRTPLIV4	SRTPLIV5
SRTPLIV6	SRTPLIV7	SRTPLS	SRTPLST	SRTPLSTP	SRTPLUN1	SRTPLUN2	SRTPLUN3
SRTPLUN5	SRTPNEW	SRTPPAS	SRTPRACE	SRTPRH	SRTPRH1	SRTPRH2	SRTPRK
SRTPRK1	SRTPRK2	SRTPRK3	SRTPRLI	SRTPRLI1	SRTPRLI2	SRTPRLU	SRTPRLU1
SRTPRLU2	SRTPSITE	SRTPSS	SRTPTM1	SRTPTM2	SRTPTMIT	SRTPTRAN	SRTPUTL
SRTPUTL4	SRTPUTLC	SRTPVAN		•	•	•	•

627 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 TRANSPLANT ASSESSMENT	SR TRANSPLANT ENTER/EDIT		
SR TRANSPLANT PARAMETERS	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		

#### **Update Cancelled Case**

#### [SRO UPDATE CANCELLED CASE]

This option allows the Chief of Surgery to update information on a cancelled case.

#### Update Interface Parameter Field

#### [SRHL PARAMETER]

This option may be used to edit the site parameter that determines which Surgery HL7 interface is used, the interface compatible with VistA HL7 V. 1.6 or the older one compatible with VistA HL7 V. 1.5.

If applications communicating with the Surgery HL7 interface must use the interface designed for use with HL7 V. 1.5, enter YES. Otherwise, enter NO or leave this field blank.

#### Update O.R. Schedule Devices

[SR UPDATE SCHEDULE DEVICE]

This option is used to update the list of O.R. Schedule Devices in the SURGERY SITE PARAMETERS file (#133).

#### Update Operations as Unrelated/Related to Death

[SRO DEATH RELATED]

This option is used to update the status of operations performed within 90 days prior to death as unrelated or related to death, allowing comments to be entered to further document the review of death.

#### Update Site Configurable Files

[SR UPDATE FILES]

This option is used to add, edit, or delete information in the site configurable files contained within the Surgery package.

File entries that are not to be used should be made inactive and should not be deleted from the file.

#### **Update Staff Surgeon Information**

[SROSTAFF]

This option allows the designation of a user as a staff surgeon by assigning the security key "SR STAFF SURGEON." The Annual Report of Surgical Procedures counts cases performed by holders of this security key as performed by "STAFF." All other cases are counted as performed by 'RESIDENT'.

#### Update Status of Returns Within 30 Days

[SRO UPDATE RETURNS]

This option is used to update the status of Returns to Surgery within 30 days of a surgical case.

#### Update/Verify Procedure/Diagnosis Codes

[SRCODING EDIT]

This option is used to edit and/or verify the final CPT and final ICD codes for an operation or non-OR procedure.

#### View Patient Perioperative Occurrences

[SROMEN-M&M]

This option displays perioperative occurrence information for a given case.

#### Wound Classification Report

[SROWC]

This option generates a report for the selected date range showing the total number of surgical cases with each of the various wound classifications broken down by surgical service.

## **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
SREQUEST-ICD10 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
SROMEN-VERF file #130
SRONRPT file #130
SROSRPT file #130
SROTHER file #130
SROVER file #130
SRPARAM file #133
SRSCHED-UNREQUESTED file #130
SRSCHED-UNREQUESTED-ICD10 file #130
SRSREQV file #130
SRSRES-ENTRY file #130
SRSRES-SCHED file #130
SRSRES1 file #130
SRSRES2 file #130
SROALAB file #139.2
SR TRANSPLANT file #133
```

### **Sort Template**

One sort template is included:

SR BLOOD PRODUCT VERIFICATION file #19.081