# Surgery

**Technical Manual/Security Guide**



**Version 3.0**

**July 1993**

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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.REDACTED |
| 03/12 | i, iii, 10, 18-19, 23-25, 71, 73, 80-82 | SR\*3\*176 | 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.REDACTED |
| 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.REDACTED |
| 12/10 | i, 27 | SR\*3\*174 | Change in definition of List of Surgery Risk Assessments report.REDACTED |
| 11/08 | All | SR\*3\*167 | Updated to provide the Surgery Transplant Assessment module information. Additions necessitated a document reissue.REDACTED |

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## 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)

## 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.

## 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 |

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# 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 |
| SRHLUO1 | SRHLUO2 | SRHLUO3 | SRHLUO4 | SRHLUO4C | SRHLVOOR | SRHLVORU | SRHLVQRY |
| SRHLVU | SRHLVUI | SRHLVUI2 | SRHLVUO | SRHLVUO1 | 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