

VistA Surgery Risk Assessment

SRA*3.0*9

Release Notes



June 2024

Department of Veterans Affairs

Table of Contents

1. Introduction	1
2. Purpose	1
3. Audience	1
4. Patch Information	1
4.1 DONOR VESSEL DISPOSITION Field Update	2
4.2 TRANSMISSION LAYOUTS File Data Update	2
4.3 SRATSRV4 Routine Update	3
4.4 Additional Documentation Updates	3
4.5 New Routines	4
4.5.1 SRAENV9 (Environment Check Routine)	4
4.5.2 SRA39PO (Post-Install Routine)	4
4.5.3 SRA39RR (Restore Routine)	4

1. Introduction

Note: The Surgery Risk Assessment (SRA) package is only installed on the Surgery Risk Assessment Database and is not intended to be installed at medical centers.

This enhancement to the VistA Surgery Risk Assessment package:

1. Adds 'NA' FOR NOT APPLICABLE to the SET OF CODES for the **DONOR VESSEL DISPOSITION** field (#234) in the **SURGERY RISK ASSESSMENT** file (#139).
2. Updates data in the **STARTING LOCATION** (#3) and **ENDING LOCATION** (#4) sub-fields in the **FIELD NUMBER** multiple (#139.42) within the **TRANSMISSION LAYOUTS** file (#139.4) to accommodate the new 2-character code for **DONOR VESSEL DISPOSITION** in NON-CARDIAC line 14 transmissions and to ensure proper parsing and filing.
3. Modifies the **SRATSRV4** routine to ensure proper filing of all positions following **DONOR VESSEL DISPOSITION** in NON-CARDIAC line 14 transmissions.
4. Updates the SRA User and/or Technical Manuals to document the access required to add new Risk Assessment Download Schedule entries, the modifications to the Check for Risk Assessment Transmission Errors option [SRAFERR] introduced in SRA*3.0*10, and the modification to the **SERVER DEVICE** field (#227) in the **OPTION** file (#19) entry for **SRATSRV** after installation of SRA*3.0*0. These documentation updates are in addition to the documentation updates for the other changes in this patch.

This is a companion patch for SR*3.0*205 to accommodate the changes to surgery risk assessment transmissions and is required to be installed on the Surgery Risk Assessment Database prior to SR*3.0*205 at medical centers.

2. Purpose

These release notes cover the changes to the VistA Surgery Risk Assessment (SRA) package for this release.

3. Audience

This document targets users and administrators of the VistA Surgery Risk Assessment package and applies to the changes made between this release and any previous release for this software.

4. Patch Information

4.1 DONOR VESSEL DISPOSITION Field Update

This patch adds 'NA' FOR NOT APPLICABLE to the SET OF CODES for the **DONOR VESSEL DISPOSITION** field (#234) in the **SURGERY RISK ASSESSMENT** file (#139). This is the first 2-character code for this field.

DATA ELEMENT	NAME TITLE	GLOBAL LOCATION	DATA TYPE
139,234	DONOR VESSEL DISPOSITION	184;30 SET (audited)	
	Donor Vessel Disposition if not used		
		'N' FOR NO DONOR VESSELS RECEIVED;	
		'D' FOR DISCARDED;	
		'R' FOR RETURNED TO OPO;	
		'S' FOR STORED;	
		'NA' FOR NOT APPLICABLE;	
	LAST EDITED:	MAR 02, 2023	
	HELP-PROMPT:	Enter disposition of donor vessels.	
	DESCRIPTION:	Document disposition of donor vessels.	
	AUDIT:	YES, ALWAYS	

The **DONOR VESSEL DISPOSITION** field (#234) is transmitted to the Surgery Risk Assessment Database for Non-Cardiac & Cardiac Transplant surgery cases.

4.2 TRANSMISSION LAYOUTS File Data Update

The Surgery Risk Assessment Database receives transmissions for 1-Liner, Non-Cardiac & Cardiac surgery cases. Non-Cardiac and 1-Liner transmission data is parsed & filed into the **SURGERY RISK ASSESSMENT** file (#139) on the Surgery Risk Assessment Database. **Note:** Cardiac transmission data is sent as a read-only message and captured using a different process by the National Surgery Office and is not sent through the processing routine. The **DONOR VESSEL DISPOSITION** field (#234) is not transmitted for 1-Liner surgery cases.

This patch accommodates for the proper parsing & filing of **DONOR VESSEL DISPOSITION**'s new 2-character 'NA' code (which is sent on line 14 in NON-CARDIAC transmissions) to the Surgery Risk Assessment Database by incrementing the **DONOR VESSEL DISPOSITION** (#234) field's ending position by one (from 75-75 to 75-76). This patch also increments the starting & ending positions by one for each of the 4 fields that follow **DONOR VESSEL DISPOSITION** on NON-CARDIAC: line 14:

- **SURGEON VERIFYING UNET** (#625) (from 76-105 to 77-106)

- **SURGEON VER ORGAN PRE-ANES (#628)** (from 106-135 to 107-136)
- **SURGEON VER DONOR ORG PRE-ANES (#629)** (from 136-165 to 137-166)
- **SURGEON VER ORG PRE-TRANSPLANT (#632)** (from 166-195 to 167-196)

Example: Print SRA Transmission Message Format for NON-CARDIAC: line 14

```
NON-CARDIAC: line 14
```

Position	Field Name (field,file)	
15-21	ORGAN TO BE TRANSPLANTED (134,139)	
22-31	UNOS NUMBER (137,139)	
32-33	DONOR SEROLOGY HCV (154,139)	
34-35	DONOR SEROLOGY HBV (186,139)	
36-37	DONOR SEROLOGY CMV (199,139)	
38-39	DONOR SEROLOGY HIV (205,139)	
40-40	DONOR ABO TYPE (214,139)	
41-41	RECIPIENT ABO TYPE (215,139)	
42-42	BLOOD BANK ABO VERIFICATION (220,139)	
43-54	D/T BLOOD BANK ABO VERIF (640,139)	
55-55	OR ABO VERIFICATION (222,139)	
56-67	D/T OR ABO VERIF (624,139)	
68-68	UNET VERIF BY SURGEON (626,139)	
69-69	ORGAN VER PRE-ANESTHESIA (627,139)	
70-71	DONOR ORG VER PRE-ANES (630,139)	
72-73	ORGAN VER PRE-TRANSPLANT (631,139)	
74-74	DONOR VESSEL USAGE (233,139)	
75-76	DONOR VESSEL DISPOSITION (234,139)	<-- end moved to 76
77-106	SURGEON VERIFYING UNET (625,139)	<-- modified
107-136	SURGEON VER ORGAN PRE-ANES (628,139)	<-- modified
137-166	SURGEON VER DONOR ORG PRE-ANES (629,139)	<-- modified
167-196	SURGEON VER ORG PRE-TRANSPLANT (632,139)	<-- modified

These increments to the starting & ending positions of the aforementioned fields are made via a data update in the **STARTING LOCATION (#3)** and **ENDING LOCATION (#4)** sub-fields in the **FIELD NUMBER** multiple (#139.42) within the **TRANSMISSION LAYOUTS** file (#139.4).

4.3 SRATSRV4 Routine Update

This patch updates the SRATSRV4 routine to accommodate for the possibility of up to 2 characters being transmitted in the **DONOR VESSEL DISPOSITION** field (#234) to the Surgery Risk Assessment Database for Non-Cardiac transplant surgery cases.

SRATSRV4 has data extracts that have been modified to ensure proper parsing and filing of the new 2-character code "NA" for NOT APPLICABLE to the **DONOR VESSEL DISPOSITION** field (#234) into the **SURGERY RISK ASSESSMENT** file (#139) for NON-CARDIAC: line 14 transmissions.

4.4 Additional Documentation Updates

In the SRA*3.0*9 Technical Manual, additional updates have been made to document:

- the **SERVER DEVICE** field (#227) in the **OPTION** file (#19) entry for **SRATSRV** should be set to "SRA" after the SRA*3.0*0 patch is installed
- FileMan Access Code "@" is required to add a new entry using the Risk Assessment Download Schedule (Enter/Edit) option [SRA DOWNLOAD EDIT]

In the SRA*3.0*9 User Manual, additional updates have been made to document:

- FileMan Access Code "@" is required to add a new entry using the Risk Assessment Download Schedule (Enter/Edit) option [SRA DOWNLOAD EDIT]
- the Check for Risk Assessment Transmission Errors option [SRAFERR] purges assessments older than three years (a code change made in SRA*3.0*10)

4.5 New Routines

4.5.1 SRAENV9 (Environment Check Routine)

New routine **SRAENV9** has been created to ensure that the patch is only installed on the Surgery Risk Assessment Database.

Upon loading the PackMan message, **SRAENV9** runs to check for the Surgery Risk Assessment Database. If it detects that the patch is loading at a VA medical center, the load is aborted.

4.5.2 SRA39PO (Post-Install Routine)

New routine **SRA39PO** has been created to store pre-existing values for the sub-fields that are updated in the **TRANSMISSION LAYOUTS** file (#139.4) into an XTMP backup global, **^XTMP("SRA39RR")**.

The pre-existing values are stored in **^XTMP("SRA39RR")** for 120 days before being purged automatically by the system.

4.5.3 SRA39RR (Restore Routine)

New routine **SRA39RR** has been created to restore pre-existing data values if data rollback is required.

To restore the pre-existing values from the XTMP backup global, run the **RESTORE** component of **SRA39RR (RESTORE^SRA39RR)** in a programmer prompt. This will retrieve the pre-existing values from the **^XTMP("SRA39RR")** and re-apply them to the sub-fields in the **TRANSMISSION LAYOUTS** file (#139.4).