

Bar Code Expansion Positive Patient Identification (BCE PPI)

Increment 2

Test Script

**User Functionality Testing
(UFT)**

Version 1.6



April 2013

Revision History

Revision # & Date	Description / By
Rev. 0.1, 02/12/2013	Draft of Increment 2 test script / [REDACTED].
Rev. 1.0, 02/14/2013	Final candidate: [REDACTED]. Additional contributions: [REDACTED].
Rev. 1.0.1, 02/21/2013	<p>Delete steps relating to Patient Notification screen based on notifications setting in Management Console.</p> <p>Add step to account for Display Orders screen in exit app sequence at approximately step 1.18.</p> <p>Edit numbering for test case subheads.</p> <p>Edit TOC.</p> <p>Add references to use specific patients within corresponding steps.</p>
Rev. 1.0.2, 02/28/2013	Minor formatting edits
Rev. 1.0.3, 04/01/2013	Removed Rapid Transfusion scenario. Incorporated Ad Hoc template. Other minor edits in flow of steps.
Rev. 1.3, 04/03/2013	Various edits.
Rev. 1.4, 04/14/2013	Edits based on Boise UFT.
Rev. 1.5, 04/25/2013	Edits in steps in section 2.3.3.
Rev. 1.6, 05/16/2013	Emphasis to use actual barcodes from blood bags to appropriately test resolution in CareFusion Release 1.2.17.

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1. Introduction

1.1. Purpose

The purpose of this test script is provide a basic set of test cases to be used for User Acceptance Testing (UAT) at pilot test sites of the Transfusion Verification software which is Increment 2 of the Bar Code Expansion-Positive Patient Identification (BCE-PPI) project. **It is assumed that pilot test sites that are involved in the UAT effort will understand the need of their own creation and execution of additional test cases they may deem necessary based on day-to-day workflow.**

This test script will include much of the functionality of the system and includes good examples of day-to-day workflow. It is not intended to fully exercise all possible scenarios of VistA Applications interfacing with the Pyxis® Transfusion Verification (CareFusion Vendor Product) and the VistA Blood Establishment Computer Software (VBECs) on the Hand-Held Device (HHD).

1.2. Test Objectives

Test the interface and communication between VistA and the COTS product for Increment 2 to support the following objectives:

1. Pyxis® Transfusion Verification uses bar code scanning for patient identification and blood transfusion at the point of care. The software integrates with the Vitals database.

2. Pyxis® Transfusion Verification VA

2.1. Requirements

From the Bar Code Expansion - Positive Patient Identification (BCE-PPI) VistA Interfacing with Mobile Hand-Held Device (HHD) COTS Solutions using Remote Procedure Call (RPC) Broker, Version 1,3 Requirements Specification Document (RSD).

2.2. Required Setup and Test Prerequisites

If there are currently test patients and orders in your sites test account those can be utilized for testing but will need to conform to the requirements below in the Patient Information Set Up and the Blood Product Types and Assignment to Patient tables below.

In order to perform these scripts, ensure that:

- The test user has valid access/verify codes.
- The test user has the correct menus and keys to access CPRS (OR GUI CHART secondary menu)
- The test user has the correct menus and keys to access Rapid Infusion
- The test user has the correct menus and keys to access Vitals
- Prerequisite processes in VBECS and VistA/CPRS must be completed to provide products for testing in Transfusion Verification
- Bar codes of the test Patient's ID's (SSN). Use actual barcodes, not manually created codes.
- Bar codes of Blood Unit ID's from local blood bank inventory. Use actual barcodes, not manually created codes.
- Bar codes of Product Codes for those Blood Units. Use actual barcodes, not manually created codes.
- Rapid Infusion is configured (Special Setup is Required, See Appendix A)
- Access to stationary workstation or WOW, with the Transfusion Verification application installed.
- Stationary computer set up for verification on CPRS, Vitals Lite and VBECS
- Transfusion Verification Pocket Controller (PDA, HHD)

- Patients need to be set up using the information below. These test patients need to be named in such a way that the tester can identify which patient reflects which attributes below in order to attach the correct patient to the appropriate test case. (Note that these are the minimum number of patients required to complete the test cases but it would be advantageous to have additional test patients prepared before beginning testing.)

Patient Information Setup			
	Patient Admit Location	Inpatient/Outpatient	Allergies
Patient #1	A	Inpatient	Yes
Patient #2	B	Inpatient	No
Patient #3	Outpatient	Outpatient	Yes

- Blood products need to be set up to correspond with the requirements in the matrix below. These blood unit combinations need to be assigned to the test patients as indicated below in order to for the tester to attach the correct patient to the appropriate test case. (Note that these are the minimum blood products required to complete the test cases but it would be advantageous to have additional blood products prepared before beginning testing.)

Blood Product Types and Assignment To Patients				
Product Type	Blood Unit ID	Patient #1	Patient #2	Patient #3
PRBC	ID1	ONE		
FFP	ID1	ONE		
PLATELET	ID1		ONE	
PRBC	ID2	ONE		
PRBC	ID3			ONE
ADDITIONAL UNITS/PRODUCTS WILL NEED TO BE SET UP FOR ANY AD HOC TESTING DETERMINED BY SITE BCE COORDINATOR(S)				

2.3. Test Cases

Before beginning complete the Setup Requirements and Testing Prerequisites in Section 2.2.

It is important to use actual barcodes, not manually created codes.

The screen captures that are included in the test cases are intended to be used as examples only and not as exact references. During execution of the tests the actual test result may vary depending on; whether the tester is using the PDA, using the desktop version of the application, what test patients are being used, what blood products have been set up assigned, etc.

2.3.1 Entering Invalid Data

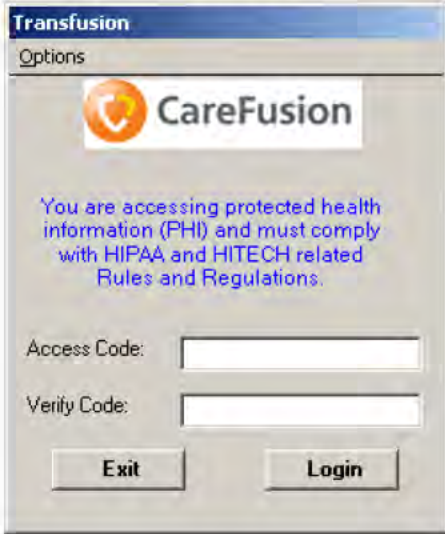
Note: If any step does not pass it is imperative that all steps leading up to and causing the failure are fully documented. If possible obtain Screenshots via Pocket Controller (For PDA use) or Print Screen (for desktop/laptop use).



This will aid in attempts to reproduce and document the failure.


Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-1.0	Entering Invalid Data (Use Patient #1. Tester will also need to scan/enter blood Product Code that is assigned to Patient #2.)			

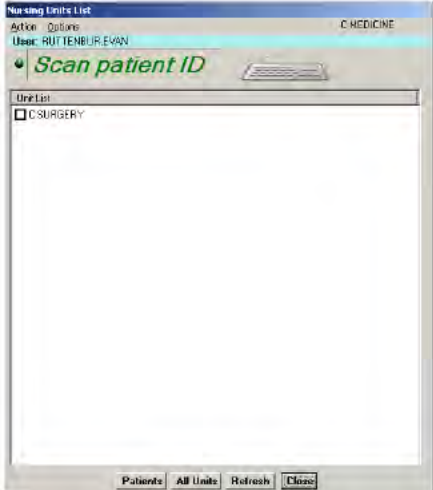

Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-1.1 Setup	<p>Complete setup instructions.</p> <ol style="list-style-type: none"> 1. Patient #1, assigned TWO different blood products which share the same Unit ID. 2. Patient #2, assigned ONE blood product different from those assigned to Patient #1 in Step #1 above. 3. Valid barcodes for Patient ID, Unit ID and Two Product Codes (corresponding to blood products assigned in Step 1 above). 4. Invalid barcodes for Patient ID, Unit ID and Product Code. 5. Actual barcodes as opposed to manually created codes. 	Completed setup.		

Number and Name	Steps	Expected Result	Actual Result	P/F																																																						
TCA-1.2 Record Test Information	<p>Record testing information:</p> <p>This is required in order for this test item to be regarded as “Passed”.</p> <p>Some of this information may not be available until actually beginning the steps below. The tester may need to return to this item to complete this step as the test progresses.</p> <p>Testing record for single pass.</p> <table><tr><td>Date/Time</td><td></td></tr><tr><td>Device Used</td><td></td></tr><tr><td>Name of Tester</td><td></td></tr><tr><td>Name/SSN Patient</td><td></td></tr><tr><td>Division</td><td></td></tr><tr><td>Ward/Clinic</td><td></td></tr><tr><td>Blood Unit ID</td><td></td></tr><tr><td>Blood Product Code</td><td></td></tr><tr><td>Barcode Type(s)</td><td></td></tr></table> <p>Example of cumulative testing record of multiple passes for final testing report.</p> <table><tr><th>Date/Time</th><th>Device Used</th><th>Name of Tester</th><th>Name/ Patient ID</th><th>Division</th><th>Ward/ Clinic</th><th>Blood Unit ID</th><th>Blood Product Code</th><th>UFT Script / Barcode Type(s)</th></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>				Date/Time		Device Used		Name of Tester		Name/SSN Patient		Division		Ward/Clinic		Blood Unit ID		Blood Product Code		Barcode Type(s)		Date/Time	Device Used	Name of Tester	Name/ Patient ID	Division	Ward/ Clinic	Blood Unit ID	Blood Product Code	UFT Script / Barcode Type(s)																											
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Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-1.3 Getting Started	Power on the device. On the MC75AO, the power button is a small red button on the upper right corner of the device. If using the desktop client version start the application by double-clicking the icon.	Device is powered on. Transfusion Verification application icon can be viewed.		
TCA-1.4 Launch	Select the icon called Transfusion Verification or launch the desktop version.	Transfusion Verification application launches; log in screen appears. (Desktop screen below.) 		

Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-1.5 Invalid Login	Log in with Invalid access/verify codes.	<p>Popup message: Not a valid access code/verify code pair. Login prevented.</p> <p>(Desktop screen below.)</p> 		
TCA-1.6 Valid Login	<p>PDA: With the stylus, and using the keyboard, type User Access code / Verify Code in the respective boxes.</p> <p>Select OK.</p> <p>Desktop App: Type User Access code / Verify Code, then Select Login.</p>	<p>Application opens to Nursing Units List</p> <p>(PDA screen below.)</p> 		

Number and Name	Steps	Expected Result	Actual Result	P/F
<p>TCA-1.7 Select Division (if applicable)</p> <p>SKIP THIS STEP IF NOT APPLICABLE</p>	<p>If you work in a division with more than one facility, choose the facility that you are working in. If your division is specialized into several facilities choose the dropdown that best describes your facility.</p> <p>SPECIFIC TO MULTI-DIVISION SITES ONLY</p> <p>(VISTA USER PERMISSION SETTINGS – ACCESS TO MORE THAN ONE DIVISION)</p>	<p>NOTE: This screen will only display when you have access to more than one facility.</p>		
<p>TCA-1.8 Invalid Patient ID (SSN)</p>	<p>Scan Invalid Patient ID (wristband). Use the actual barcode.</p> <p>OR</p> <p>Manually enter invalid Patient ID in desktop application by selecting the keyboard icon at the top of the screen to the right of “Scan Patient ID” text</p>	<p>Patient Not Found window is displayed</p> <p>(Desktop Application shown below.)</p> 		

Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-1.9 Invalid Unit ID Scan/Enter Patient	<p>USING PATIENT #1:</p> <p>Scan Valid Patient ID (wristband). Use the actual barcode.</p> <p>OR</p> <p>Manually enter Valid Patient ID in desktop application by selecting the keyboard icon at the top of the screen to the right of “Scan Patient ID” text</p> 	<p>Confirm Patient window is displayed.</p> <p>(Desktop Application shown below.)</p> 		

TCA-1.10 Confirm Patient

Confirm patient by selecting Yes button.

If this is the first time Patient #1 has been used during this logon session then the tester will see the message below:




If this message is displayed, Select OK.



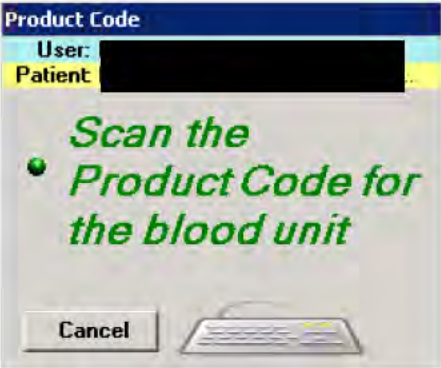
Orders screen is displayed.

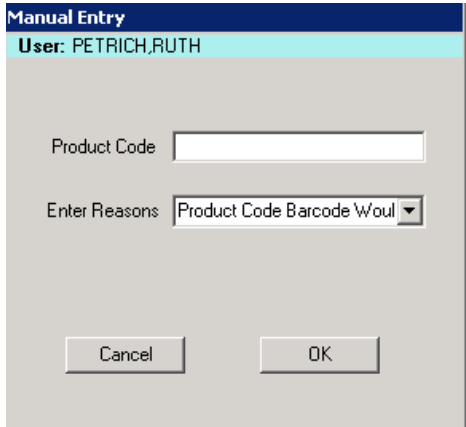
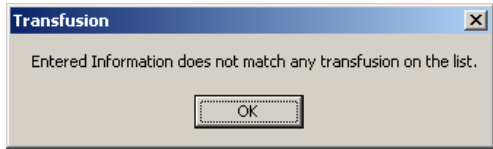
In some instances it may be necessary to refresh the screen. To do this, select Action, then select Refresh Screen.


(Desktop Application shown below.)

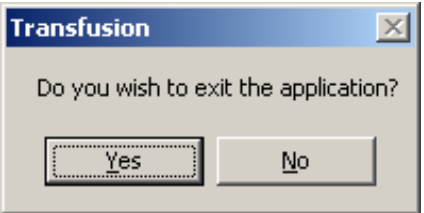
Unit ID	Product Type	Status	Priority	Issue Date/Time	Unit Blood Type
1600067123	RED BLOOD CELLS	Active	Routine	01/31/2013 11:14	O Neg
2210067598	RED BLOOD CELLS	Active	Routine	02/01/2013 12:17	O Neg
1600018853	RED BLOOD CELLS	Transfusing	Routine	02/08/2013 16:12	O Neg

<p>TCA-1.11 Scan/Enter Blood Unit</p>	<p>Scan Invalid Unit/Bag ID. Use the actual barcode.</p> <p>OR</p> <p>Manually enter Invalid Unit/Bag ID in the desktop application by selecting the keyboard icon to the right of “Scan Bag ID”</p>  	<p>Message will be displayed: Scanned/Entered information does not match any transfusion on the list.</p> <p>(Desktop Application shown below.)</p> 		
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<p>TCA-1.12 Invalid Product Code</p>	<p>USING UNIT ID ASSIGNED TO PATIENT #1:</p> <p>Scan Valid Unit/Bag ID (blood bag). Use the actual barcode.</p> <p>OR</p> <p>Manually enter Valid Unit/Bag ID in the desktop application by selecting the keyboard icon to the right of “Scan Bag ID”</p>  	<p>The Scan Product Code window will be displayed.</p> 		
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<p>TCA-1.13 Scan/Enter Product Code</p>	<p>Scan Invalid Product Code. Use the actual barcode.</p> <p>OR</p> <p>Manually enter Invalid Product Code in the desktop application by selecting the keyboard icon</p> 	<p>Message will be displayed similar to the message noted above:</p> <p>Scanned/Entered information does not match any transfusion on the list.</p> <p>(Desktop Application shown below.)</p> 		
<p>TCA-1.14</p>	<p>Click OK</p>	<p>Message is closed.</p>		

TCA-1.15	<p>USING PRODUCT CODE THAT IS ASSIGNED TO PATIENT #2:</p> <p>PRODUCT CODE MUST BE DIFFERENT THAN ANY PRODUCT CODES THAT ARE ASSIGNED TO PATIENT #1</p> <p>Scan or Manually enter the Valid Product Code that is assigned to Patient #2. Use the actual barcode. The Product Code to be entered here must share the same Unit/Bag ID that was just scanned.</p>	<p>Product Code that shares same Unit/Bag ID as currently entered Unit/Bag ID but is assigned to a different patient is NOT accepted as valid.</p> <p>Messaging may be displayed similar to the message noted above:</p> 		
TCA-1.16	Click OK.	<p>Manual Entry screen is displayed.</p> <p>Product Code entry screen is displayed if using PDA.</p>		
TCA-1.17	Select Cancel.	<p>PDA: Message is displayed “Are you sure you wish to cancel? Changes will be lost if you tap the yews button.”</p> <p>Select Yes.</p> <p>Orders list is displayed (hand held version)</p> <p>Nursing Unit List is displayed (desktop version).</p>		
TCA-1.18	PDA USERS ONLY: Select Close at Orders screen	Nursing Units List is displayed		

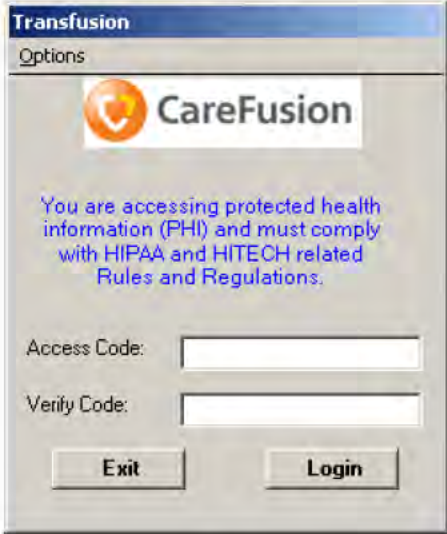
TCA-1.19	Select Close at the Nursing Units List screen to close Transfusion Verification application.	<p>Message is displayed:</p> <p>“Do you wish to exit the application?”</p> 		
TCA-1.20	Select Yes.	Application closes.		

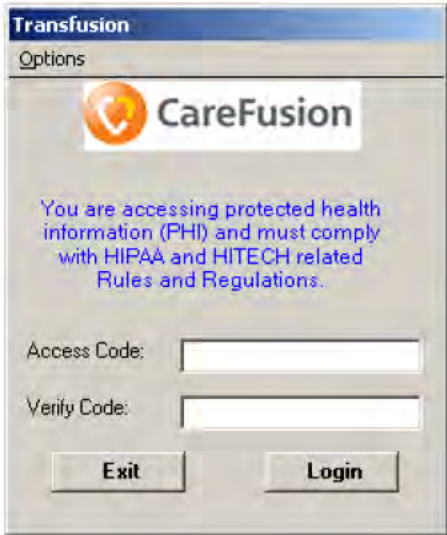
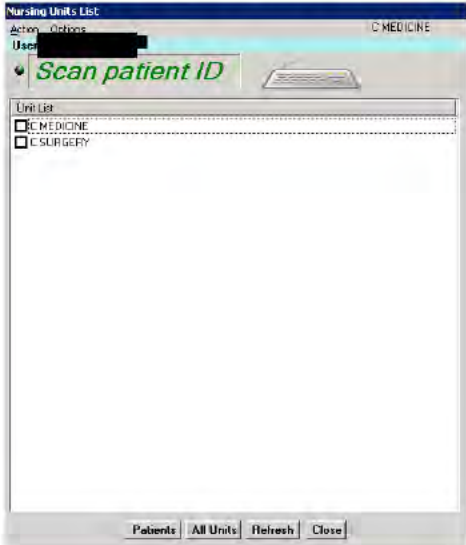
2.3.2 Multiple Patients Display

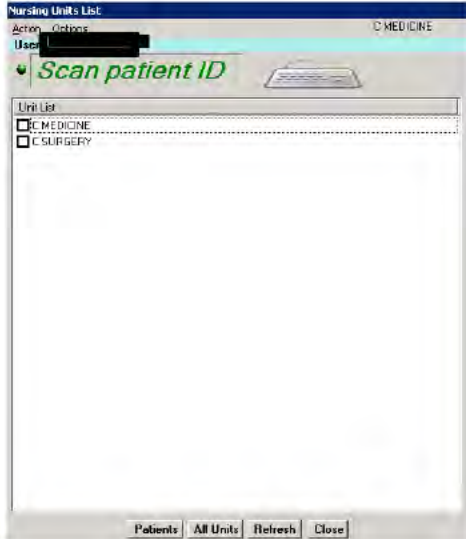

Note: If any step does not pass it is imperative that all steps leading up to and causing the failure are fully documented. If possible obtain Screenshots via Pocket Controller (For PDA use) or Print Screen (for desktop/laptop use). This will aid in attempts to reproduce and document the failure.

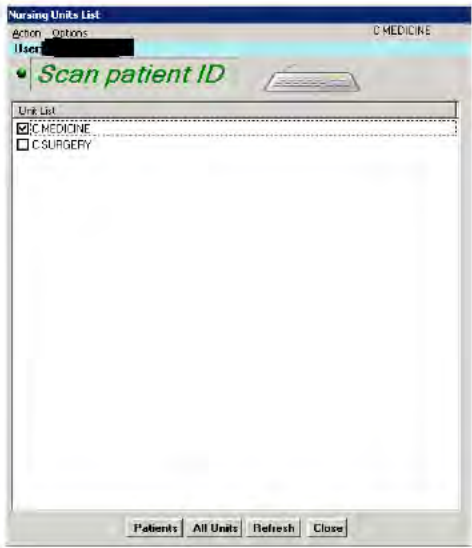

Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-2.0	Multiple Patients Display (Use Patient #1 and Patient #2)			
TCA-2.1 Setup	Complete setup instructions. <ol style="list-style-type: none">1. Patient #1 and Patient #2, each admitted at different locations.2. Blood units assigned to Patient #1 and Patient #2.3. Valid Barcodes for Patient ID and Unit ID (corresponding to test patients and blood products assigned in Step 1 and 2 above).4. Actual barcodes as opposed to manually created codes.	Completed setup.		

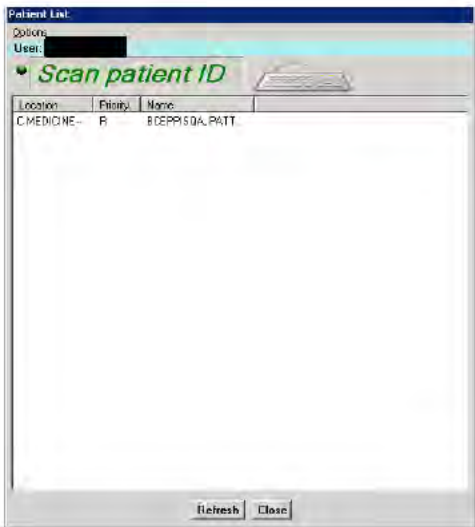
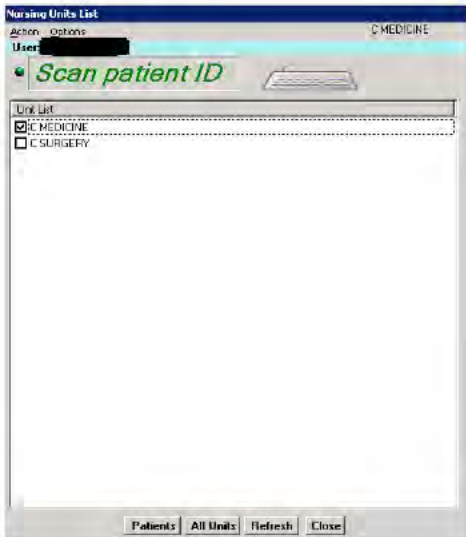
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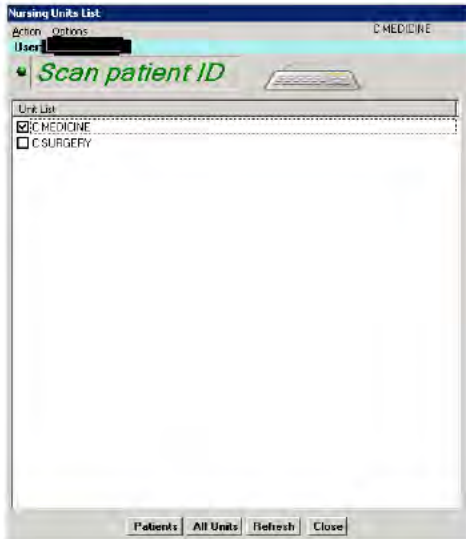
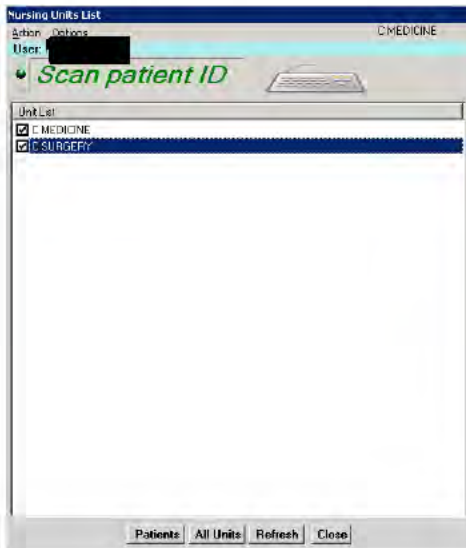
Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-2.3 Launch	Select the icon called Transfusion Verification or launch the desktop version.	<p>Transfusion Verification application launches; log in screen appears. (Desktop screen below.)</p> 		

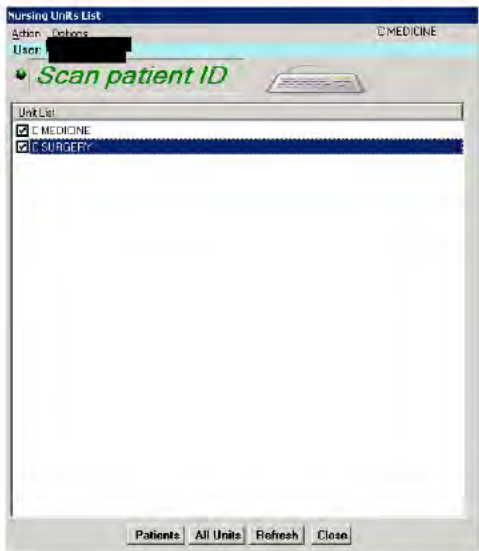
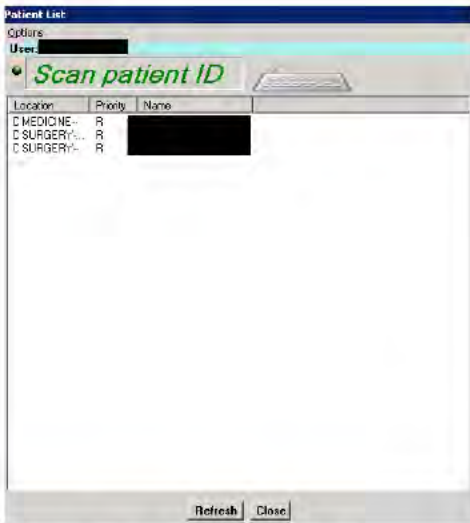
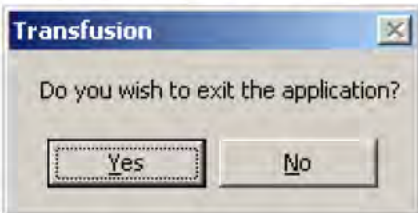
Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-2.4 Valid Login	<p>PDA: With the stylus, and using the keyboard, type User Access code / Verify Code in the respective boxes. Select OK</p> <p>Desktop App: Type User Access Code / Verify Code, then Select Login.</p> <p>(Desktop screen below.)</p> 	<p>Application opens to Nursing Units List.</p> <p>Nursing Units List Screen displays multiple patient care units that have patients with active blood products.</p> 		

Number and Name	Steps	Expected Result	Actual Result	P/F
<p>TCA-2.5 Select Division (if applicable)</p> <p>SKIP THIS STEP IF NOT APPLICABLE</p>	<p>If you work in a division with more than one facility, choose the facility that you are working in. If your division is specialized into several facilities choose the dropdown that best describes your facility.</p> <p>SPECIFIC TO MULTI-DIVISION SITES ONLY</p> <p>(VISTA USER PERMISSION SETTINGS – ACCESS TO MORE THAN ONE DIVISION)</p>	<p>NOTE: This screen will only display when you have access to more than one facility.</p>		
TCA-2.6	<p>Select one unit on the Nursing Units List screen.</p> 	<p>Unit is selected.</p> 		

Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-2.7	<p>Select Patients at the bottom of the screen.</p> 	<p>Patient List is displayed. List indicates patients with Active blood products in selected Nursing Unit.</p> 		

Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-2.8	<p>Select Close.</p> 	<p>Nursing Unit List is displayed.</p> 		

Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-2.9	<p>Select two units on the Nursing Units List screen.</p> 	<p>Units are selected.</p> 		

Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-2.10	<p>Select Patients at the bottom of the screen.</p> 	<p>Patient List is displayed.</p> <p>List indicates all patients with Active blood products in all the selected Nursing Units.</p> 		
TCA-2.11	<p>Select Close.</p>	<p>Nursing Unit List is displayed.</p>		
TCA-2.12	<p>Select Close to close Transfusion Verification application.</p>	<p>Message is displayed:</p> <p>“Do you wish to exit the application?”</p> 		

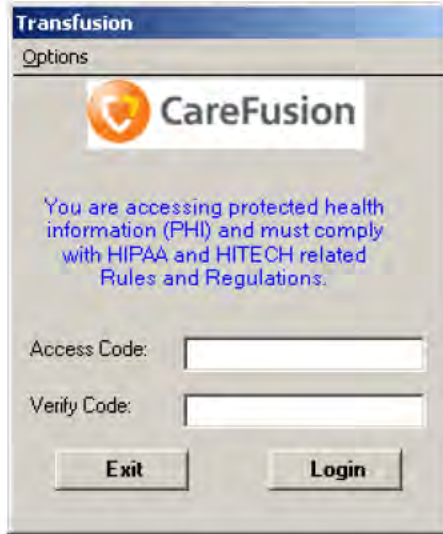
Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-2.13	Select Yes.	Application closes.		

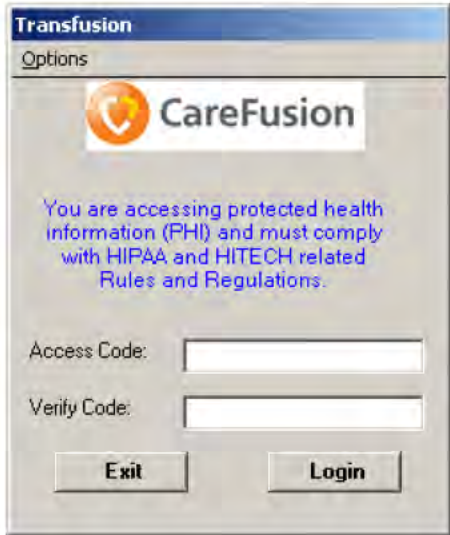
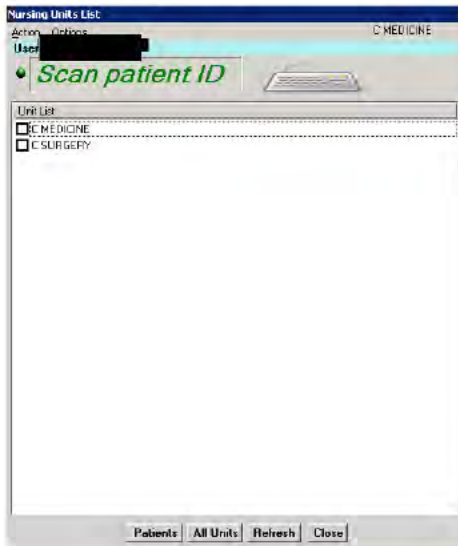
2.3.3 Multiple Blood Products That Share the Same Blood Unit ID

Note: If any step does not pass it is imperative that all steps leading up to and causing the failure are fully documented. If possible obtain Screenshots via Pocket Controller (For PDA use) or Print Screen (for desktop/laptop use). This will aid in attempts to reproduce and document the failure.

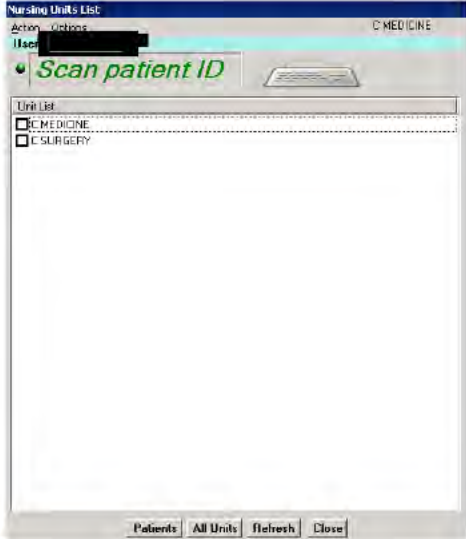
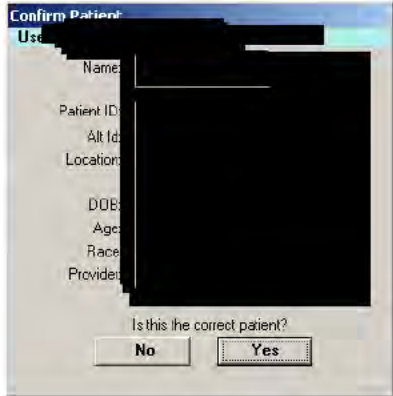
Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-3.0	Multiple Blood Products That Share the Same Blood Unit ID (Use Patient #1 and Patient #2)			
TCA-3.1 Setup	Complete setup instructions. <ol style="list-style-type: none">1. Patient #1 and Patient #2, both assigned blood products that share the same unit ID but different product ID's. (Example: PRBCs and PLATELETS)2. Valid Barcodes for Patient ID and Unit ID (corresponding to test patient and blood product assigned in Step 1 above).3. Actual barcodes as opposed to manually created codes.	Completed setup.		

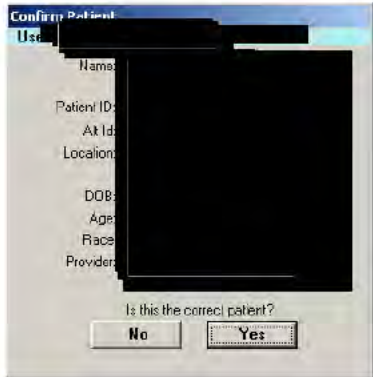
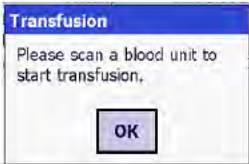

Number and Name	Steps	Expected Result	Actual Result	P/F																																			
TCA-3.2 Record Test Information	Record testing information: This is required in order for this test item to be regarded as “Passed”. Some of this information may not be available until actually beginning the steps below. The tester may need to return to this item to complete this step as the test progresses.																																						
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Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-3.3 Launch	Select the icon called Transfusion Verification or launch the desktop version.	<p>Transfusion Verification application launches; log in screen appears. (Desktop screen below.)</p> 		

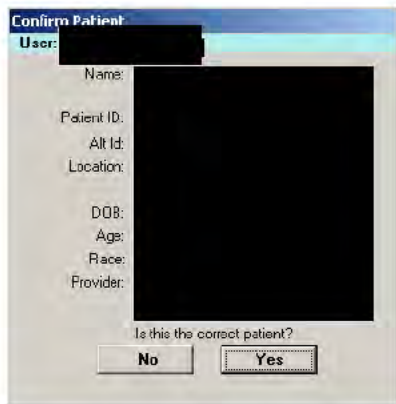
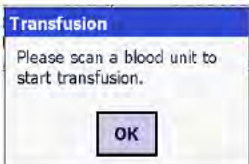
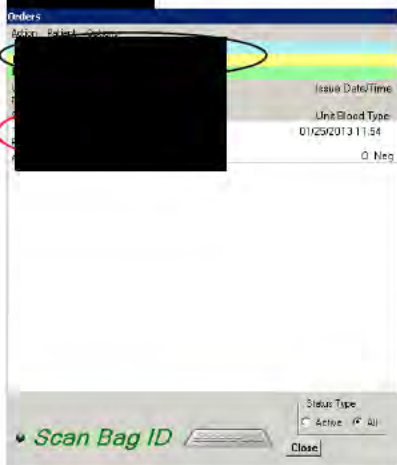
Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-3.4 Valid Login	<p>PDA: With the stylus, and using the keyboard, type User Access code / Verify Code in the respective boxes. Select OK</p> <p>Desktop App: Type User Access Code / Verify Code, then Select Login.</p> <p>(Desktop screen below.)</p> 	<p>Application opens to Nursing Units List.</p> <p>Nursing Units List Screen displays multiple patient care units that have patients with active blood products.</p> 		

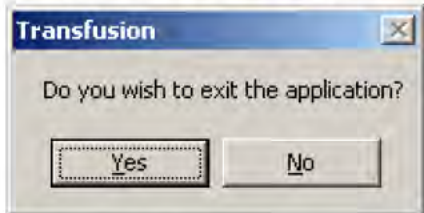
Number and Name	Steps	Expected Result	Actual Result	P/F
<p>TCA-3.5 Select Division (if applicable)</p> <p>SKIP THIS STEP IF NOT APPLICABLE</p>	<p>If you work in a division with more than one facility, choose the facility that you are working in. If your division is specialized into several facilities choose the dropdown that best describes your facility.</p> <p>SPECIFIC TO MULTI-DIVISION SITES ONLY</p> <p>(VISTA USER PERMISSION SETTINGS – ACCESS TO MORE THAN ONE DIVISION)</p>	<p>NOTE: This screen will only display when you have access to more than one facility.</p>		

Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-3.6	<p>USING PATIENT #1:</p> <p>Scan Valid Patient ID (wristband). Use the actual barcode.</p> <p>OR</p> <p>Manually enter Valid Patient ID in desktop application by selecting the keyboard icon at the top of the screen to the right of “Scan Patient ID” text</p> 	<p>Confirm Patient window is displayed.</p> 		

Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-3.7	<p>Select Yes to Confirm Patient.</p>  <p>If this is the first time Patient #1 has been used during this login session then the tester will see the message below:</p>  <p>If this message is displayed, Select OK.</p>	<p>Orders screen is displayed.</p> <p>Example: This is patient B [redacted] A, PatOne [redacted]</p> <p>This is a PRBC with a Unit ID of [redacted]</p> 		
TCA-3.8	Select Close to exit Orders screen.	Nursing Units screen is displayed.		

Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-3.9	<p>USING PATIENT #2:</p> <p>Scan or manually enter the Patient ID for the patient who has a blood product assigned with the same Unit ID but a different Product ID.</p>	<p>Confirm Patient window is displayed.</p> 		

Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-3.10	<p>Select Yes to Confirm Patient.</p>  <p>If this is the first time Patient #1 has been used during this logon session then the tester will see the message below:</p>  <p>If this message is displayed, Select OK.</p>	<p>Orders screen is displayed.</p> <p>Note: This is patient [REDACTED], PATTWO [REDACTED]</p> <p>This is a Platelets with a Unit ID of [REDACTED]</p> 		
TCA-3.11	Select Close to close Orders screen.	The Nursing Units List screen is displayed.		

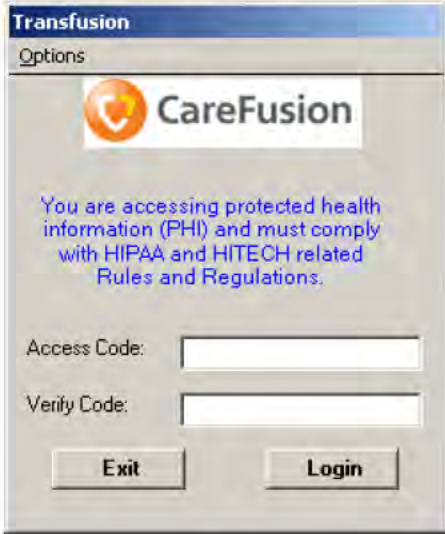
Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-3.12	Select Close to close Transfusion Verification application.	<p>Message is displayed: “Do you wish to exit the application?”</p> 		
TCA-3.13	Select Yes.	The application closes.		

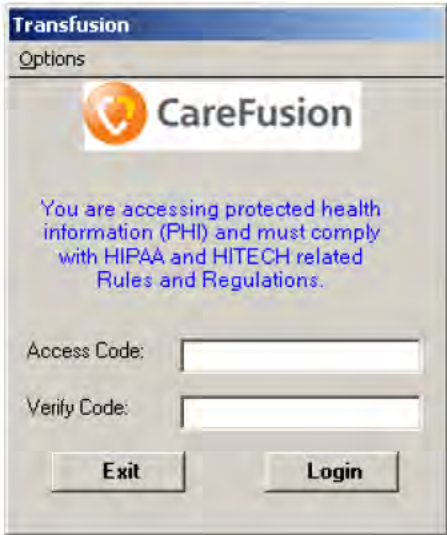
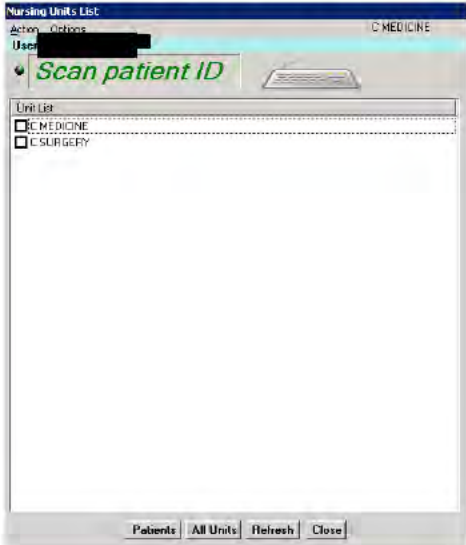
2.3.4 Blood Units Returned and Released

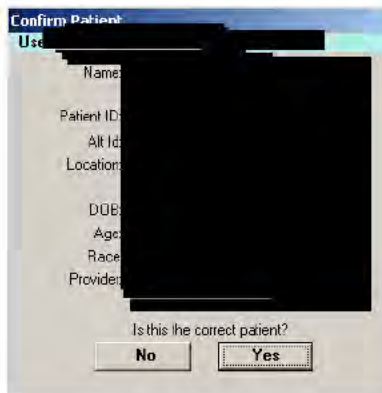
Note: If any step does not pass it is imperative that all steps leading up to and causing the failure are fully documented. If possible obtain Screenshots via Pocket Controller (For PDA use) or Print Screen (for desktop/laptop use). This will aid in attempts to reproduce and document the failure.

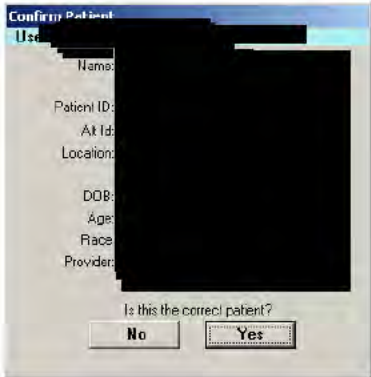
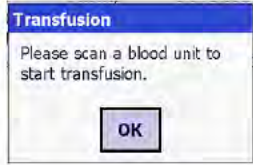

Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-4.0	Blood Units Returned and Released (Use Patient #1)			
TCA-4.1 Setup	Complete setup instructions. <ol style="list-style-type: none">1. Patient #1, assigned TWO or more blood products.2. Tester or additional resource will need access to VBECS to execute and validate return and release of blood units during testing.4. Valid Barcodes for Patient ID and Unit ID (corresponding to test patient and blood product assigned in Step 1 above).5. Actual barcodes as opposed to manually created codes.	Completed setup.		


Number and Name	Steps	Expected Result	Actual Result	P/F																																			
TCA-4.2 Record Test Information	Record testing information:																																						
	This is required in order for this test item to be regarded as “Passed”.																																						
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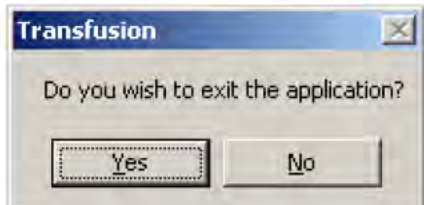
Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-4.3 Launch	Select the icon called Transfusion Verification or launch the desktop version.	<p>Transfusion Verification application launches; log in screen appears. (Desktop screen below.)</p> 		

Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-4.4 Valid Login	<p>PDA: With the stylus, and using the keyboard, type User Access code / Verify Code in the respective boxes. Select OK</p> <p>Desktop App: Type User Access Code / Verify Code, then Select Login.</p> <p>(Desktop screen below.)</p> 	<p>Application opens to Nursing Units List.</p> <p>Nursing Units List Screen displays multiple patient care units that have patients with active blood products.</p> 		

Number and Name	Steps	Expected Result	Actual Result	P/F
<p>TCA-4.5 Select Division (if applicable)</p> <p>SKIP THIS STEP IF NOT APPLICABLE</p>	<p>If you work in a division with more than one facility, choose the facility that you are working in. If your division is specialized into several facilities choose the dropdown that best describes your facility.</p> <p>SPECIFIC TO MULTI-DIVISION SITES ONLY</p> <p>(VISTA USER PERMISSION SETTINGS – ACCESS TO MORE THAN ONE DIVISION)</p>	<p>NOTE: This screen will only display when you have access to more than one facility.</p>		
TCA-4.6	<p>USING PATIENT #1:</p> <p>Scan or manually enter Patient ID with two or more blood products assigned. Use the actual barcode.</p>	<p>Confirm Patient window is displayed.</p> 		

Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-4.7	<p>Confirm patient by selecting Yes button.</p>  <p>If this is the first time Patient #1 has been used during this logon session then the tester will see the message below:</p>  <p>If this message is displayed, Select OK.</p>	<p>Orders screen is displayed.</p> <p>(Note: Unit ID [REDACTED] is “Active” below.)</p> 		
TCA-4.8	<p>Select All to display all units assigned to patient</p> <p>Note all units listed.</p>	All units assigned to patient are listed.		

Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-4.9	Using VBECS, “Return” an issued unit for that patient to blood bank.	Unit is returned.		
TCA-4.10	Using Transfusion Verification: Select Action Menu Select Refresh Order List menu item. Confirm unit status has changed from “Active” to “New”	Orders List is refreshed. Unit status has changed from “Active” to “New” (Example: Unit ID [REDACTED] is “New”.) 		
TCA-4.11	Using VBECS, “Release” the same unit “Returned” above from patient assignment.	Unit is released from patient assignment.		

Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-4.12	<p>Using Transfusion Verification:</p> <p>Select Action Menu</p> <p>Select Refresh Orders List menu item.</p> <p>Confirm that unit is no longer displayed in Orders List.</p>	<p>Orders List is refreshed.</p> <p>Unit is no longer displayed in Orders List.</p> <p>(Example: Unit ID [REDACTED] is no longer listed.)</p>  <p>The screenshot shows a window titled 'Orders' with a table containing columns: Unit ID, Product Type, Status, Priority, Unit Blood Type, and Issue Date/Time. The table lists several orders, including one for '16008441032 RED BLOOD CELLS' which is marked as 'Completed' and 'Routine'. At the bottom, there is a 'Scan Bag ID' button and a 'Status Type' dropdown menu set to 'Active'.</p>		
TCA-4.13	Select Close.	Nursing Unit List is displayed.		
TCA-4.14	Select Close to close Transfusion Verification application.	<p>Message is displayed:</p> <p>“Do you wish to exit the application?”</p>  <p>The screenshot shows a dialog box with the title 'Transfusion' and the text 'Do you wish to exit the application?'. There are two buttons: 'Yes' and 'No'.</p>		

Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-4.15	Select Yes.	The application closes.		

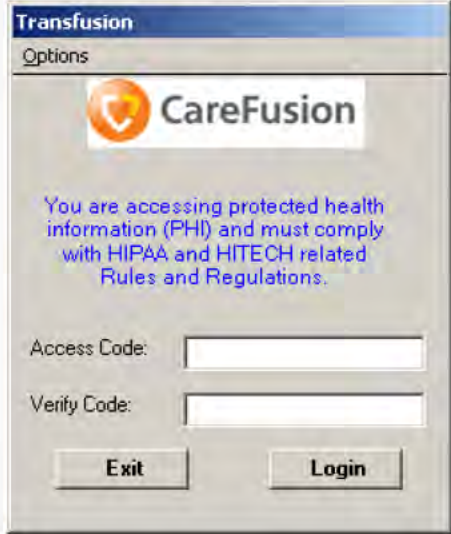
2.3.5 Start and Complete Transfusion

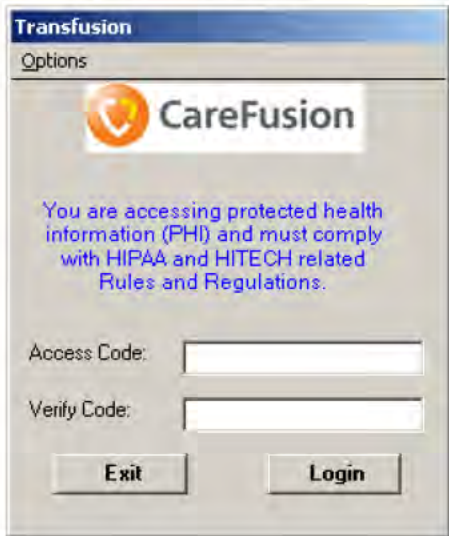

Note: If any step does not pass it is imperative that all steps leading up to and causing the failure are fully documented. If possible obtain Screenshots via Pocket Controller (For PDA use) or Print Screen (for desktop/laptop use). This will aid in attempts to reproduce and document the failure.

Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-5.0	Start and Complete Transfusion (Use Patient #3)			


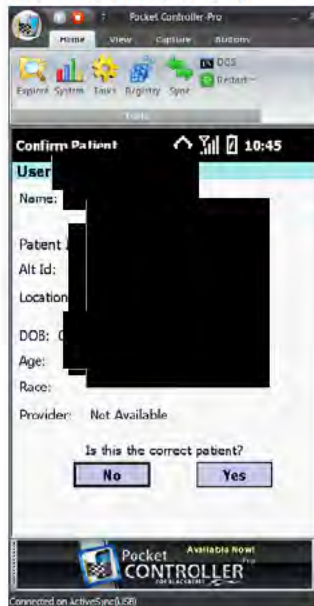

Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-5.1 Setup	<p>Complete setup instructions.</p> <ol style="list-style-type: none"> 1. Patient #3 with blood product assigned. The Unit ID must not have more than ONE blood product associated with it. 2. Additional tester or some other resource that has an Access Code/Verify Code will need to be available for Witness Verification functionality. 3. Tester or additional resource will need access to CPRS to validate transfusion data during execution. 4. Tester or additional resource will need access to VBECS to validate transfusion data during execution. 6. Valid Barcodes for Patient ID and Unit ID (corresponding to test patient and blood product assigned in Step 1 above). 7. Actual barcodes as opposed to manually created codes. 	Completed setup.		

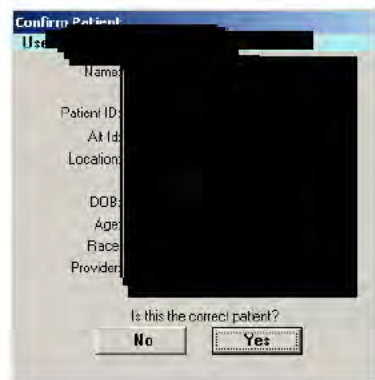
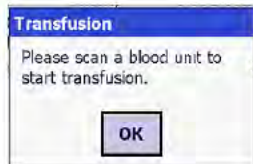
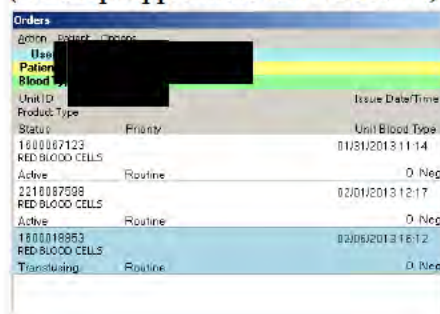
Number and Name	Steps	Expected Result	Actual Result	P/F																																			
TCA-5.2 Record test information	Record testing information:																																						
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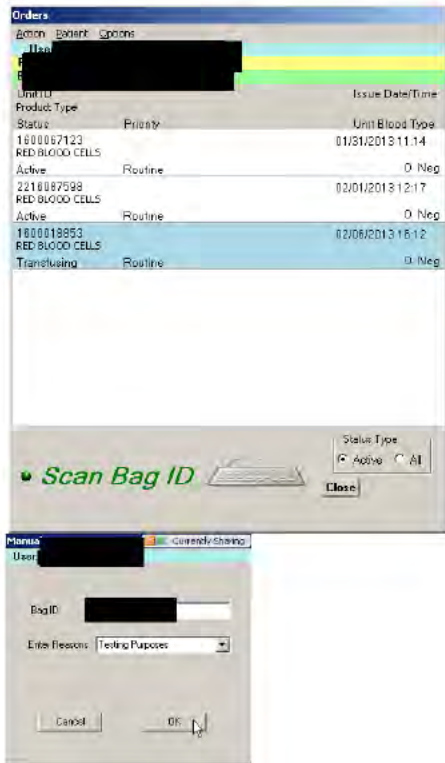
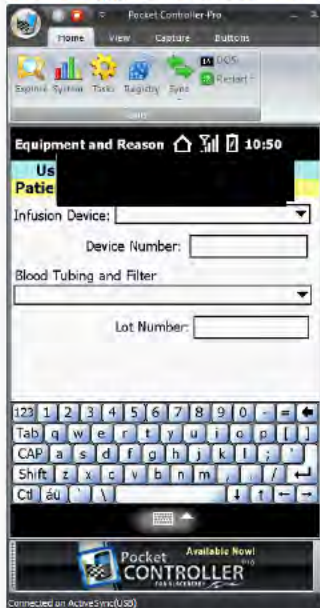

Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-5.3 Launch	Select the icon called Transfusion Verification or launch the desktop version.	<p>Transfusion Verification application launches; log in screen appears.</p> <p>(Desktop screen below.)</p> 		


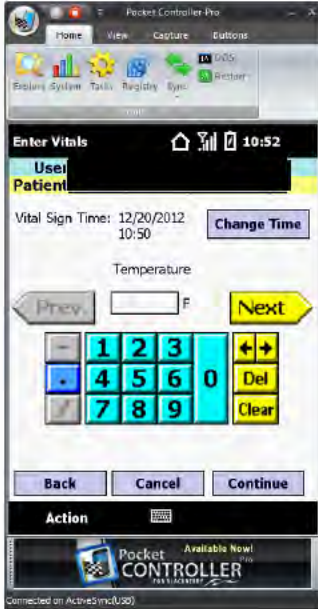
Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-5.4 Valid Login	<p>PDA: With the stylus, and using the keyboard, type User Access code / Verify Code in the respective boxes. Select OK</p> <p>Desktop App: Type User Access Code / Verify Code, then Select Login. (Desktop screen below.)</p> 	<p>Application opens to Nursing Units List (PDA screen below.)</p> 		



Number and Name	Steps	Expected Result	Actual Result	P/F
<p>TCA-5.5 Select Division (if applicable)</p> <p>SKIP THIS STEP IF NOT APPLICABLE</p>	<p>If you work in a division with more than one facility, choose the facility that you are working in. If your division is specialized into several facilities choose the dropdown that best describes your facility.</p> <p>SPECIFIC TO MULTI-DIVISION SITES ONLY</p> <p>(VISTA USER PERMISSION SETTINGS – ACCESS TO MORE THAN ONE DIVISION)</p>	<p>NOTE: This screen will only display when you have access to more than one facility.</p>	<p>TCA-5.6 Select Division (if applicable)</p> <p>SKIP THIS STEP IF NOT APPLICABLE</p>	



Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-5.7 Valid Patient ID	<p>USING PATIENT #3:</p> <p>Scan Valid Patient ID (wristband). Use the actual barcode.</p> <p>OR</p> <p>Manually enter Valid Patient ID in desktop application by selecting the keyboard icon at the top of the screen to the right of “Scan Patient ID” text.</p> 	<p>Confirm Patient window is displayed. (PDA shown below.)</p>  <p>(Desktop Application shown below.)</p> 		



Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-5.8 Confirm Patient	<p>Confirm patient by selecting Yes.</p> <div></div> <p>If this is the first time Patient #1 has been used during this logon session then the tester will see the message below:</p> <div></div> <p>If this message is displayed, Select OK.</p>	<p>Orders screen is displayed.</p> <p>(Desktop Application shown below.)</p> <div></div>		



Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-5.9 Scan/Enter Blood Unit	<p>Scan Valid Unit/Bag ID of a blood product that is in “Active” status to begin transfusion. Use the actual barcode.</p> <p>OR</p> <p>Manually enter Valid Unit/Bag ID in the desktop application by selecting the keyboard icon to the right of “Scan Bag ID”</p> 	<p>Equipment and Reason screen is displayed (PDA Application shown below.)</p>  <p>(Desktop Application shown below.)</p> 		

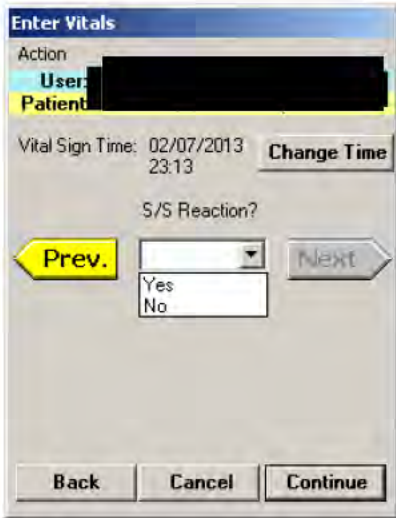
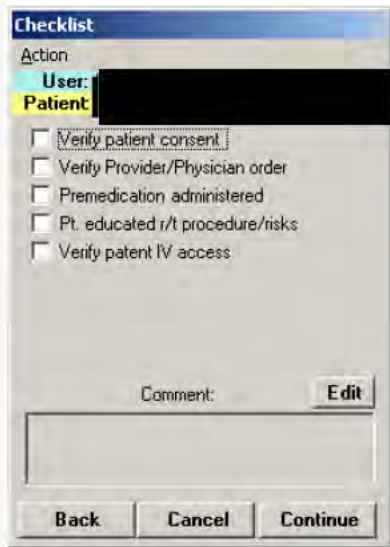
Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-5.10	<p>Complete the infusion device and tubing information on the Equipment and Reason screen.</p> <p>Select Enter/Continue.</p> 	<p>The Enter Vitals screen for Temperature is displayed.</p> 		

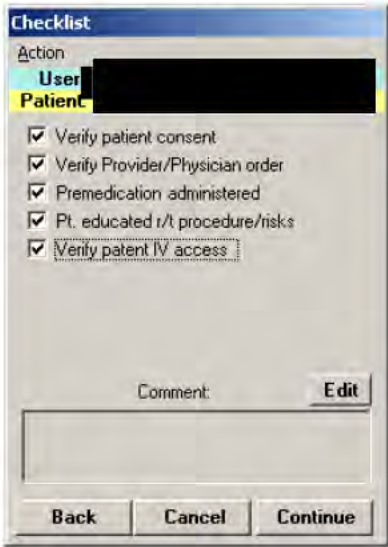
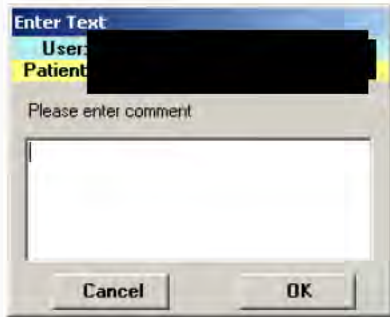
Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-5.11 Record Pre-Transfusion Vitals	<p>Enter Temperature on screen and record here → _____</p> <p>Select Next.</p> 	<p>The Enter Vitals screen for Pulse is displayed.</p> 		

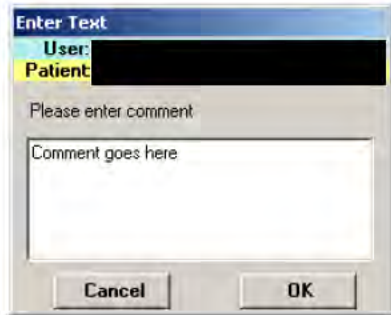
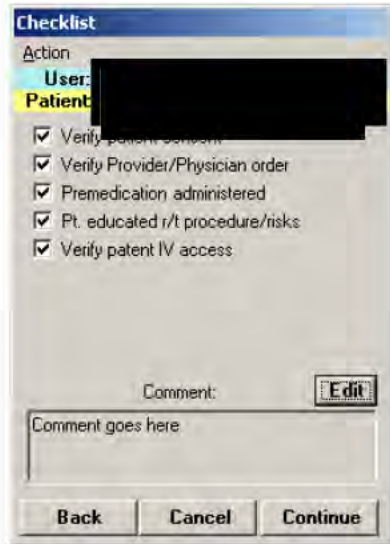
Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-5.12	<p>Enter Pulse on screen and record here → _____</p> <p>Select Next.</p> 	<p>The Enter Vitals screen for Respirations is displayed.</p> 		

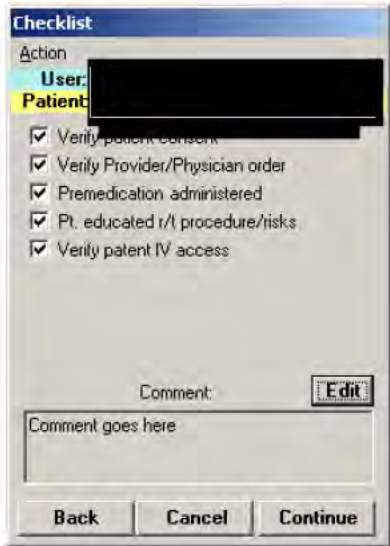
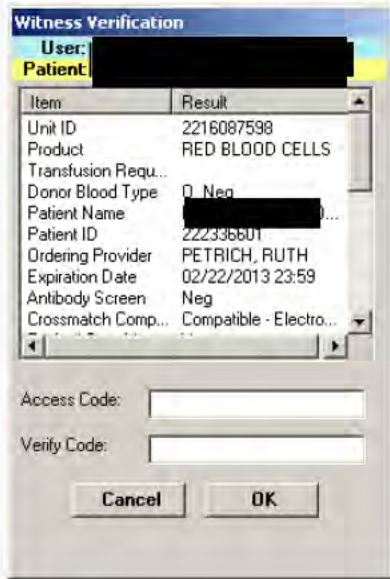
Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-5.13	<p>Enter Respiration on screen and record here → _____</p> <p>Select Next.</p> 	<p>The Enter Vitals screen for Systolic/Diastolic BP is displayed.</p> 		

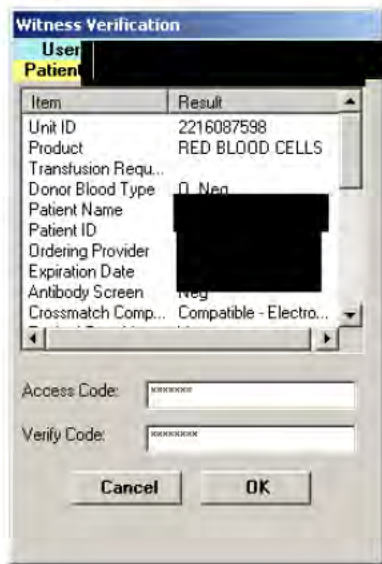

Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-5.14	<p>Enter Blood Pressure on screen and record here → _____</p> <p>Select Next.</p> 	<p>The Enter Vitals screen for S/S Reaction is displayed.</p> 		


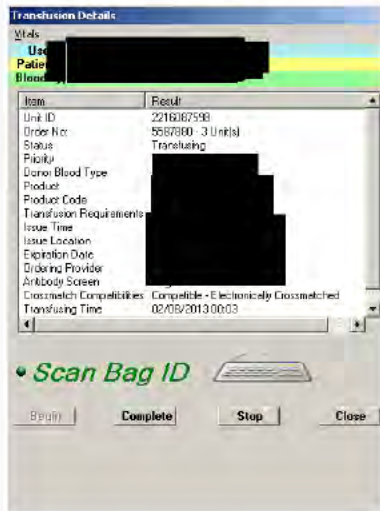
Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-5.15	<p>Select Yes or No in the S/S Reaction drop-down field.</p> <p>Select Continue on desktop application.</p> <p>OR</p> <p>Select OK on PDA.</p> 	<p>Checklist screen is displayed.</p> 		

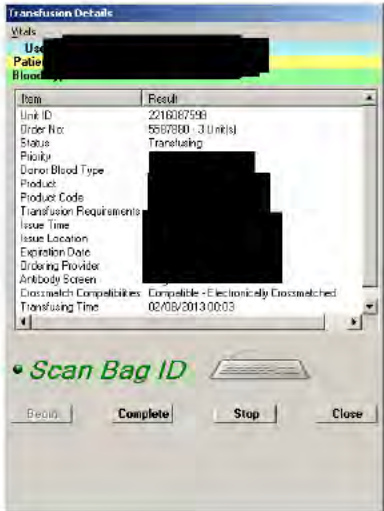
Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-5.16	<p>Select all items in list.</p> <p>Select Edit button above Comment field.</p> 	<p>The Enter Text screen is displayed</p> 		

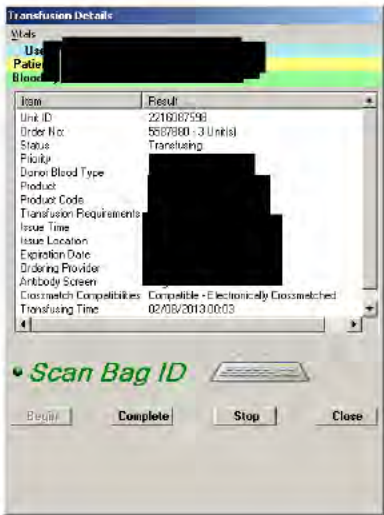

Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-5.17	<p>Enter a comment. Select OK.</p> 	<p>Checklist screen is displayed.</p> 		



Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-5.18	<p>Select Continue.</p> 	<p>Witness Verification screen is displayed.</p> 		

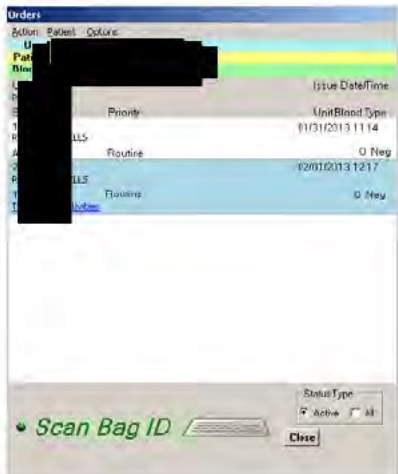
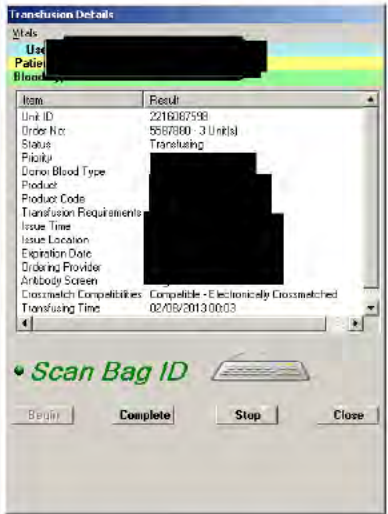
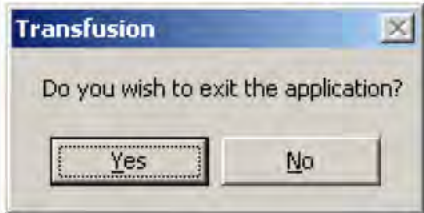
Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-5.19	<p>Witness will enter Access Code/Verify Code.</p> <p>Witness and Transfusionist will verify that information is correct.</p> <p>Select OK.</p> 	<p>Match Confirmation screen will be displayed.</p> 		

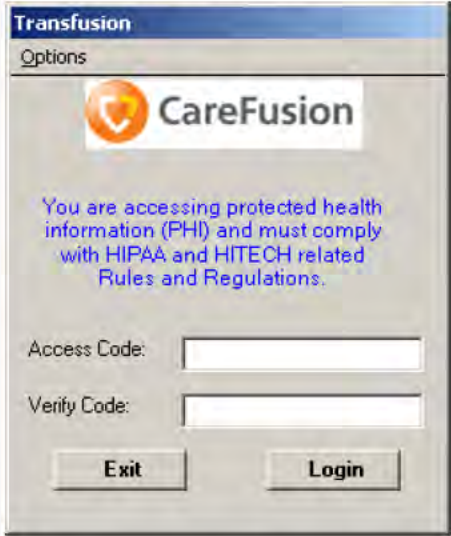
Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-5.20	<p>Before beginning, record date/time from PDA or computer</p> <p>here → _____</p> <p>Select Begin</p> 	<p>Transfusion Details screen is displayed.</p> 		

Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-5.21	<p>Validate that information in Transfusion Details screen matches entered information. (Unit ID, Product Code, Transfusing Time, etc.)</p> 	Information validated		

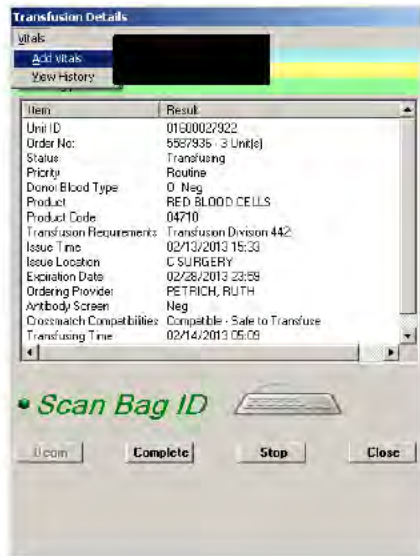

Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-5.22	<p>Select Close</p> 	<p>Orders screen is displayed</p> 		



Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-5.23	<p>Select blue highlighted area of transfusing unit to display “Transfusion Activities” link.</p> 	<p>“Transfusion Activities” link is displayed</p> 		



Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-5.24	<p>Select 'Transfusion Activities' link of the unit just placed in transfusing status.</p> 	<p>'Transfusion Details' screen is displayed.</p> 		
TCA-5.25	PDA USERS ONLY: Select Close.	Orders List screen is displayed.		
TCA-5.26	Select Close.	Nursing Units List screen is displayed.		
TCA-5.27	Select Close to close Transfusion Verification application.	<p>Message is displayed:</p> <p>"Do you wish to exit the application?"</p> 		
TCA-5.28	Select Yes.	Application closes.		



Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-5.29 Close and Re-open Application to Record Intra-Transfusion Vitals	Select the icon called Transfusion Verification or launch the desktop version.	<p>Transfusion Verification application launches; log in screen appears. (Desktop screen below.)</p> 		
TCA-5.30	PDA: With the stylus, and using the keyboard, type User Access code / Verify Code in the respective boxes. Select OK	Application opens to Nursing Units List		



Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-5.31 Select Division (if applicable) SKIP THIS STEP IF NOT APPLICABLE	<p>If you work in a division with more than one facility, choose the facility that you are working in. If your division is specialized into several facilities choose the dropdown that best describes your facility.</p> <p>SPECIFIC TO MULTI-DIVISION SITES ONLY</p> <p>(VISTA USER PERMISSION SETTINGS – ACCESS TO MORE THAN ONE DIVISION)</p>	NOTE: This screen will only display when you have access to more than one facility.		
TCA-5.32	Scan or Manually enter SAME Patient ID that was transfused above. Use the actual barcode.	Confirm Patient window is displayed.		
TCA-5.33	Confirm patient by selecting Yes.	Orders screen is displayed.		
TCA-5.34	Select SAME Unit/Bag ID that was transfused above. Use the actual barcode. The list will indicate the unit with “Transfusing” status and it will be highlighted in blue.	“Transfusion Activities” link is displayed.		
TCA-5.35	Select “Transfusion Activities” link.	Transfusion Details screen is displayed.		


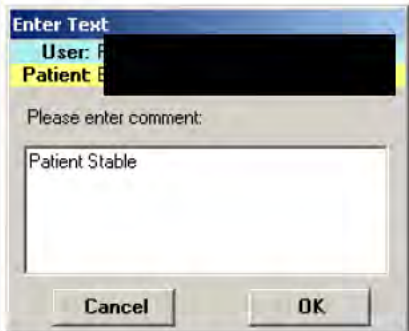
Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-5.36 Record Intra-Transfusion Vitals	<p>Select Vitals menu.</p> <p>Select Add Vitals.</p> 	<p>The Enter Vitals screen for Temperature is displayed.</p> 		

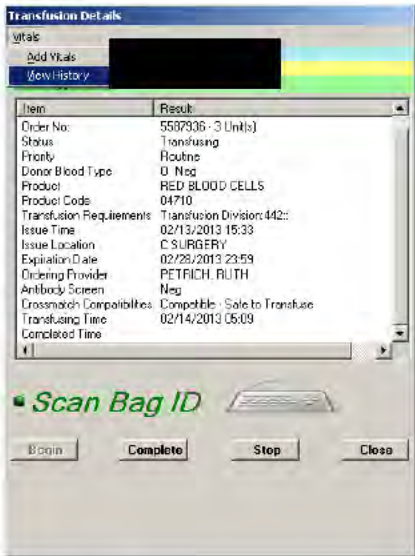

Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-5.37	<p>Enter Temperature on screen and record here → _____</p> <p>Select Next.</p> 	<p>The Enter Vitals screen for Pulse is displayed.</p> 		

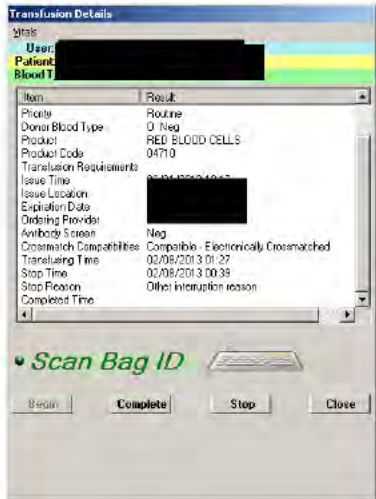

Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-5.38	<p>Enter Pulse on screen and record here → _____</p> <p>Select Next.</p> 	<p>The Enter Vitals screen for Respirations is displayed.</p> 		



Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-5.39	<p>Enter Respiration on screen and record here → _____</p> <p>Select Next.</p> 	<p>The Enter Vitals screen for Systolic/Diastolic BP is displayed.</p> 		



Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-5.40	<p>Enter Blood Pressure on screen and record here → _____</p> <p>Select Next.</p> 	<p>The Enter Vitals screen for S/S Reaction is displayed.</p> 		



Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-5.41	<p>Select Action menu.</p> <p>Select Comments.</p> 	<p>Comments screen is displayed.</p> 		
TCA-5.42	<p>Enter Comments.</p> <p>Select Continue on desktop application.</p> <p>OR</p> <p>Select OK on PDA.</p>	<p>Transfusion Details screen is displayed.</p>		



Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-5.43	<p>Select Vitals menu.</p> <p>Select View History.</p> 	<p>Vitals History screen is displayed.</p> <p>Vitals just entered are displayed.</p> 		
TCA-5.44	<p>Select Close.</p>	Transfusion Details screen is displayed.		



Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-5.45	<p>Before completing, record date/time from PDA or computer</p> <p>here → _____</p> <p>Select Complete.</p> 	<p>The Enter Vitals screen for Temperature is displayed.</p> 		
TCA-5.46	<p>Validate Item "Completed Time" in Item List in Transfusion Details screen.</p>	<p>Item "Completed Time" in Item List in Transfusion Details indicates complete time recorded above.</p>		


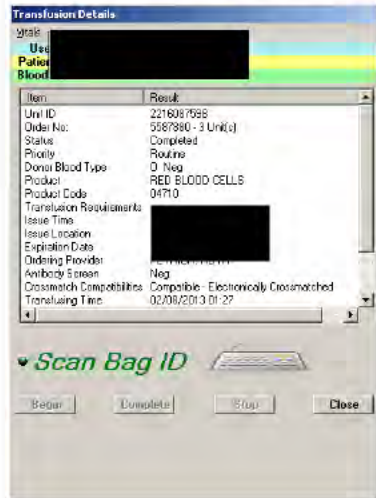
Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-5.47 Record Post-Transfusion Vitals	<p>Enter Temperature on screen and record here → _____</p> <p>Select Next.</p> 	<p>The Enter Vitals screen for Pulse is displayed.</p> 		

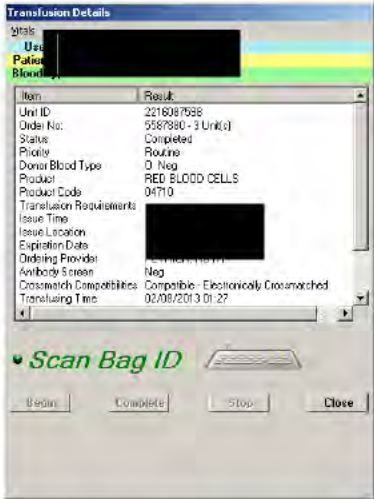
Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-5.48	<p>Enter Pulse on screen and record here → _____</p> <p>Select Next.</p> 	<p>The Enter Vitals screen for Respirations is displayed.</p> 		

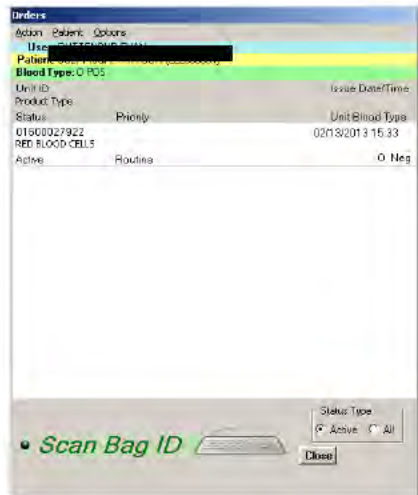
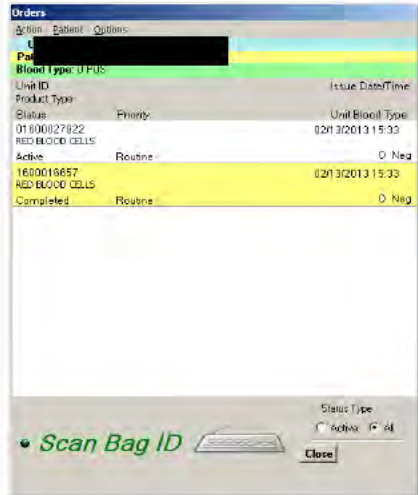
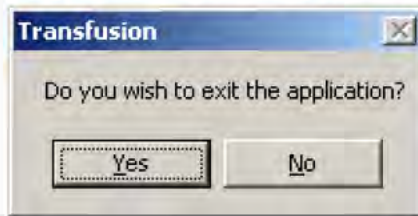
Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-5.49	<p>Enter Respiration on screen and record here → _____</p> <p>Select Next.</p> 	<p>The Enter Vitals screen for Systolic/Diastolic BP is displayed.</p> 		

Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-5.50	<p>Enter Blood Pressure on screen and record here → _____</p> <p>Select Next.</p> 	<p>The Enter Vitals screen for S/S Reaction is displayed.</p> 		

Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-5.51	<p>Select Yes or No in the S/S Reaction drop-down field.</p> <p>Before continuing, record date/time from PDA or computer here → _____</p> <p>Select Continue on desktop application. OR Select OK on PDA.</p> 	<p>Record Volume screen is displayed.</p> 		

Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-5.52	<p>Enter Volume Transfused</p> <p>Select OK</p> 	<p>Transfusion Details screen is displayed.</p> 		
TCA-5.53	<p>Validate Transfusion Details screen indicates the following:</p> <p>Item “Status” shows Result of “Completed” in Transfusion Details screen.</p> <p>Item “Completed Time” shows correct completion time recorded above.</p>	<p>Item “Status” in list indicates Result of “Completed”.</p> <p>Item “Completed Time” in list indicates correct completion time recorded above.</p>		

Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-5.54	Validate that information in Transfusion Details screen is reflected correctly in CPRS Progress Note (TIU).	Correct data appears in CPRS Progress Note (TIU).		
TCA-5.55	Validate that information in Transfusion Details screen is reflected correctly in VBECS.	Correct data appears in VBECS.		
TCA-5.56	<p>Select Close on the Transfusion Details screen.</p> 	Orders screen is displayed.		
TCA-5.57	Validate that blood product just transfused no longer appears in list on Orders screen.	Blood product just transfused no longer appears in list on Orders screen.		

Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-5.58	<p>Select All at bottom right on Orders screen.</p> 	<p>Blood product just transfused now indicates “Completed” status and the unit information will be highlighted in pale Yellow.</p> 		
TCA-5.59	Select Close.	Nursing Units List screen is displayed.		
TCA-5.60	Select Close to close Transfusion Verification application.	<p>Message is displayed: “Do you wish to exit the application?”</p> 		

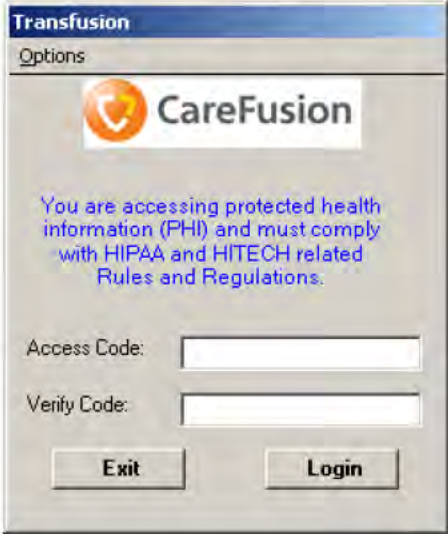
Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-5.61	Select Yes.	Application closes.		


2.3.6 Stop, Restart and Complete Transfusion

Note: If any step does not pass it is imperative that all steps leading up to and causing the failure are fully documented. If possible obtain Screenshots via Pocket Controller (For PDA use) or Print Screen (for desktop/laptop use). This will aid in attempts to reproduce and document the failure.


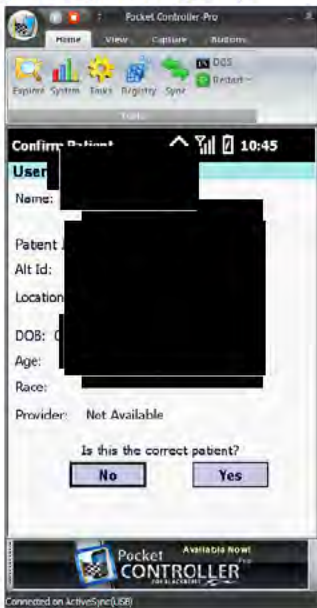

Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-6.0	Stop, Restart and Complete Transfusion (Use Patient #2)			
TCA-6.1 Setup	<p>Complete setup instructions.</p> <ol style="list-style-type: none">1. Patient #2 with blood unit assigned. The Unit ID should not have more than ONE blood product associated with it.2. Additional tester or some other resource that has an Access Code/Verify Code will need to be available for Witness Verification functionality.3. Tester or additional resource will need access to CPRS to validate transfusion data during execution.4. Tester or additional resource will need access to VBECS to validate transfusion data during execution.8. Valid Barcodes for Patient ID and Unit ID (corresponding to test patient and blood product assigned in Step 1 above).9. Actual barcodes as opposed to manually created codes.	Completed setup.		

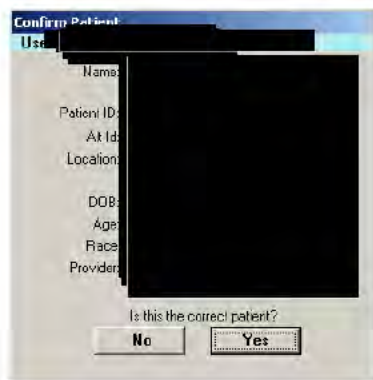
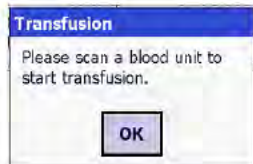
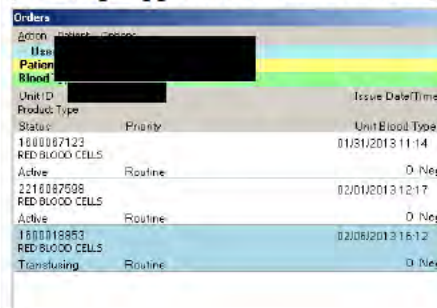
Number and Name	Steps	Expected Result	Actual Result	P/F																																			
TCA-6.2 Record Test Information	Record testing information:																																						
	This is required in order for this test item to be regarded as “Passed”.																																						
	Some of this information may not be available until actually beginning the steps below. The tester may need to return to this item to complete this step as the test progresses.																																						
	Testing record for single pass.																																						
	<table><tr><td>Date/Time</td><td></td></tr><tr><td>Device Used</td><td></td></tr><tr><td>Name of Tester</td><td></td></tr><tr><td>Name/SSN Patient</td><td></td></tr><tr><td>Division</td><td></td></tr><tr><td>Ward/Clinic</td><td></td></tr><tr><td>Blood Unit ID</td><td></td></tr><tr><td>Blood Product Code</td><td></td></tr><tr><td>Barcode Type(s)</td><td></td></tr></table>				Date/Time		Device Used		Name of Tester		Name/SSN Patient		Division		Ward/Clinic		Blood Unit ID		Blood Product Code		Barcode Type(s)																		
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Example of cumulative testing record of multiple passes for final testing report.																																							
<table><tr><th>Date/Time</th><th>Device Used</th><th>Name of Tester</th><th>Name/ Patient ID</th><th>Division</th><th>Ward/ Clinic</th><th>Blood Unit ID</th><th>Blood Product Code</th><th>UFT Script / Barcode Type(s)</th></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>				Date/Time	Device Used	Name of Tester	Name/ Patient ID	Division	Ward/ Clinic	Blood Unit ID	Blood Product Code	UFT Script / Barcode Type(s)																											
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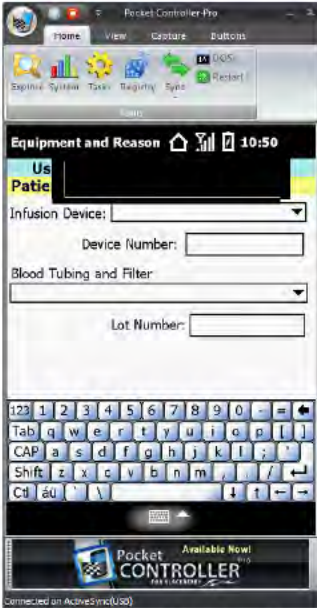

Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-6.3 Launch	Select the icon called Transfusion Verification or launch the desktop version.	<p>Transfusion Verification application launches; log in screen appears. (Desktop screen below.)</p> 		

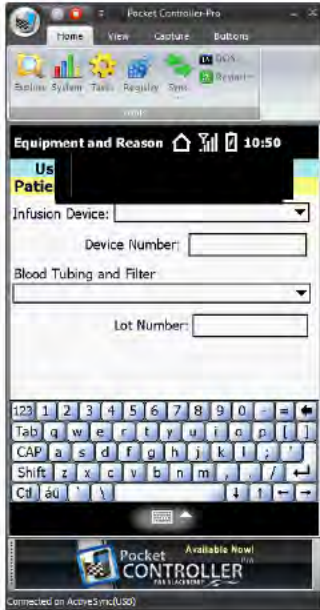

Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-6.4 Valid Login	<p>PDA: With the stylus, and using the keyboard, type User Access code / Verify Code in the respective boxes. Select OK</p> <p>Desktop App: Type User Access Code / Verify Code, then Select Login.</p>	<p>Application opens to Nursing Units List (PDA screen below.)</p> 		

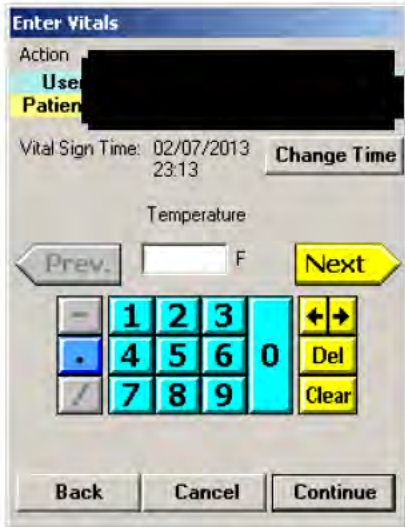
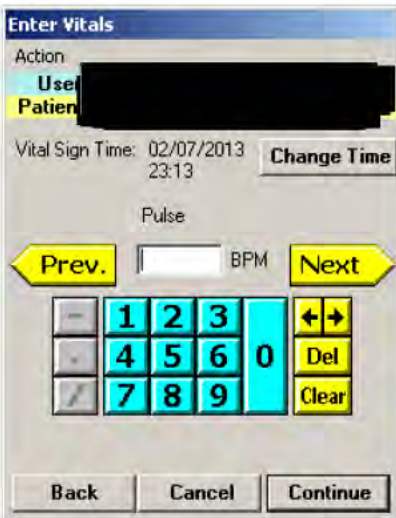
Number and Name	Steps	Expected Result	Actual Result	P/F
<p>TCA-6.5 Select Division (if applicable)</p> <p>SKIP THIS STEP IF NOT APPLICABLE</p>	<p>If you work in a division with more than one facility, choose the facility that you are working in. If your division is specialized into several facilities choose the dropdown that best describes your facility.</p> <p>SPECIFIC TO MULTI-DIVISION SITES ONLY</p> <p>(VISTA USER PERMISSION SETTINGS – ACCESS TO MORE THAN ONE DIVISION)</p>	<p>NOTE: This screen will only display when you have access to more than one facility.</p>		

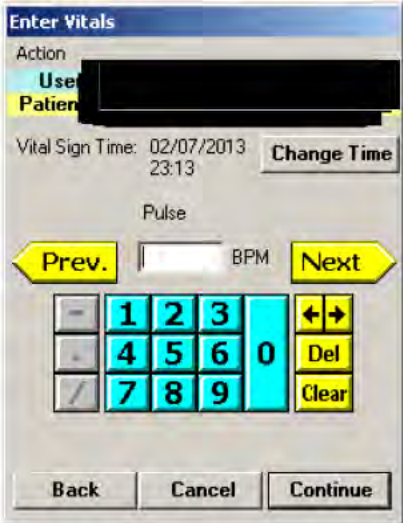
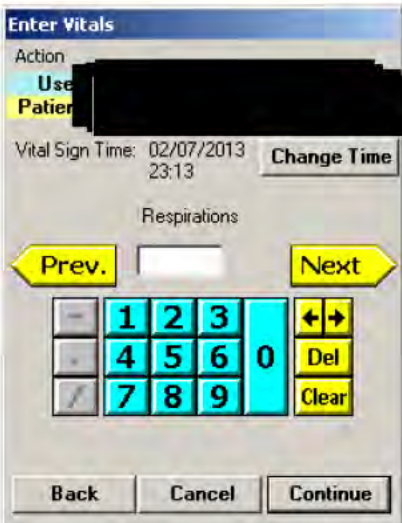
Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-6.6 Valid Patient ID	<p>USING PATIENT #2:</p> <p>Scan Valid Patient ID (wristband). Use the actual barcode.</p> <p>OR</p> <p>Manually enter Valid Patient ID in desktop application by selecting the keyboard icon at the top of the screen to the right of “Scan Patient ID” text</p> 	<p>Confirm Patient window is displayed (PDA shown below.)</p>  <p>(Desktop Application shown below.)</p> 		

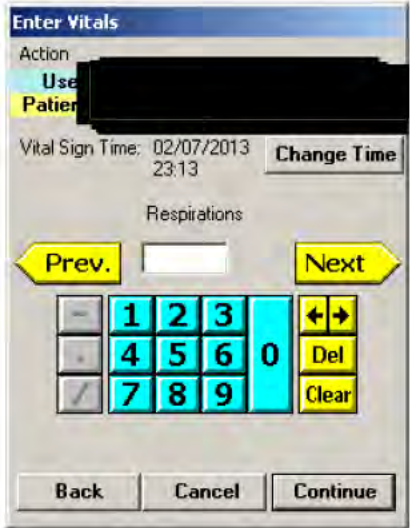
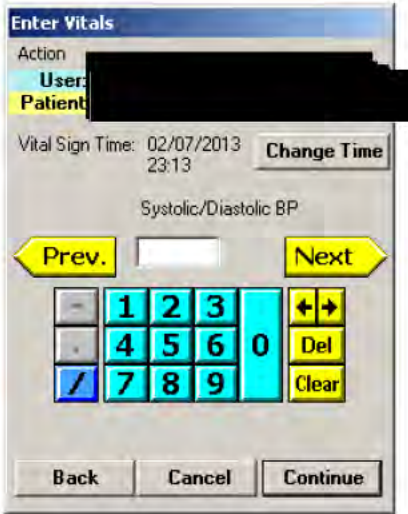
Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-6.7 Confirm Patient	<p>Confirm patient by selecting Yes button.</p> <div></div> <p>If this is the first time Patient #1 has been used during this logon session then the tester will see the message below:</p> <div></div> <p>If this message is displayed, Select OK.</p>	<p>Orders screen is displayed.</p> <p>(Desktop Application shown below.)</p> <div></div>		



Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-6.8 Scan/Enter Blood Unit	<p>Scan Valid Unit/Bag ID of a blood product that is in “Active” status to begin transfusion. Use the actual barcode.</p> <p>OR</p> <p>Manually enter Valid Unit/Bag ID in the desktop application by selecting the keyboard icon to the right of “Scan Bag ID”</p>  	<p>Equipment and Reason screen is displayed (PDA Application shown below.)</p>  <p>(Desktop Application shown below.)</p> 		

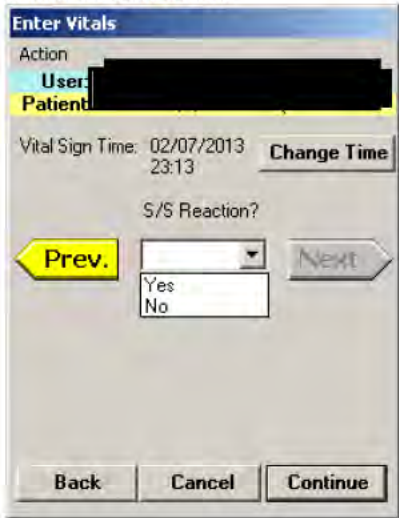
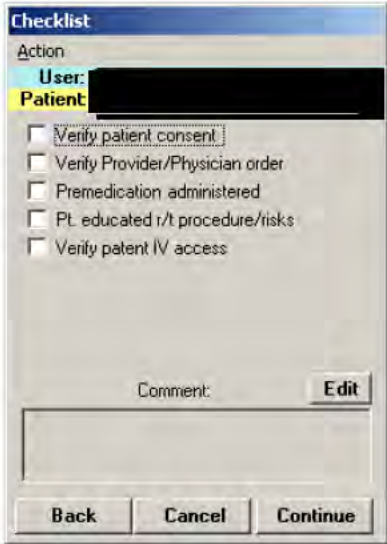
Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-6.9	<p>Complete the infusion device and tubing screen, Select Continue.</p> 	<p>The Enter Vitals screen for Temperature is displayed.</p> 		

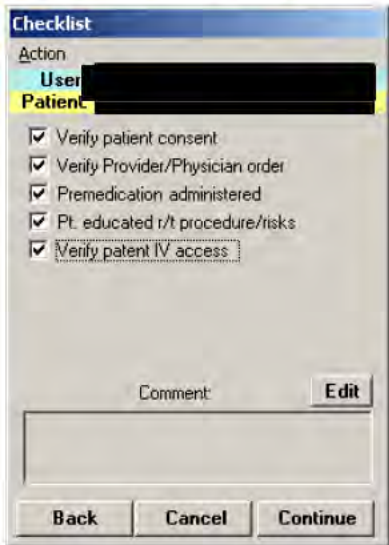

Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-6.10	<p>Enter Temperature on screen and record here → _____</p> <p>Select Next.</p> 	<p>The Enter Vitals screen for Pulse is displayed.</p> 		

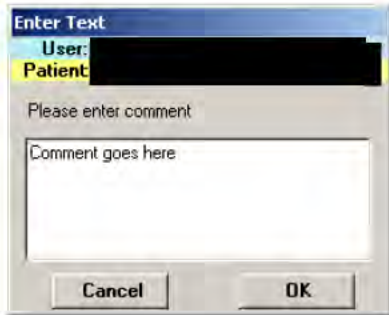
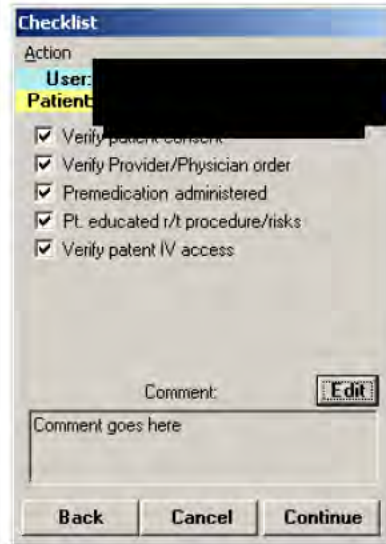
Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-6.11	<p>Enter Pulse on screen and record here → _____</p> <p>Select Next.</p> 	<p>The Enter Vitals screen for Respirations is displayed.</p> 		

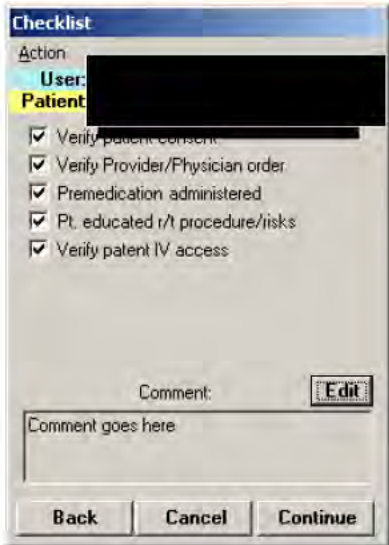
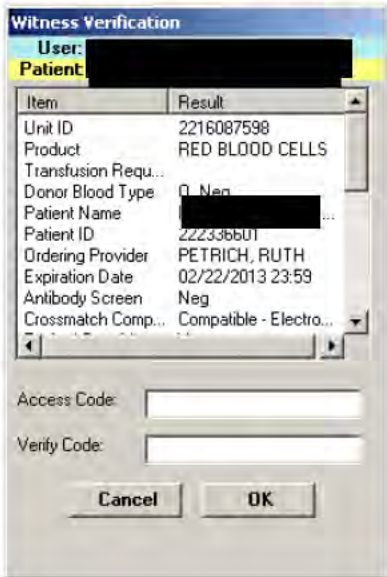
Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-6.12	<p>Enter Respiration on screen and record here → _____</p> <p>Select Next.</p> 	<p>The Enter Vitals screen for Systolic/Diastolic BP is displayed.</p> 		

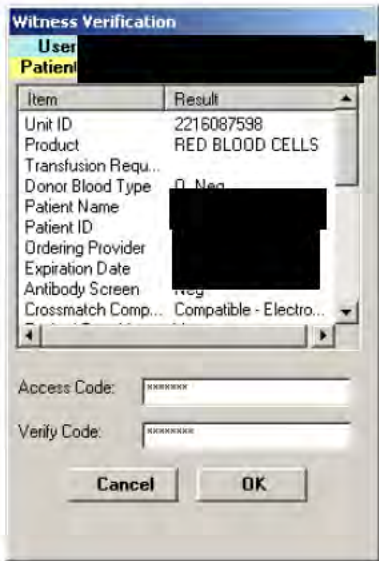

Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-6.13	<p>Enter Blood Pressure on screen and record here → _____</p> <p>Select Next.</p> 	<p>The Enter Vitals screen for S/S Reaction is displayed.</p> 		


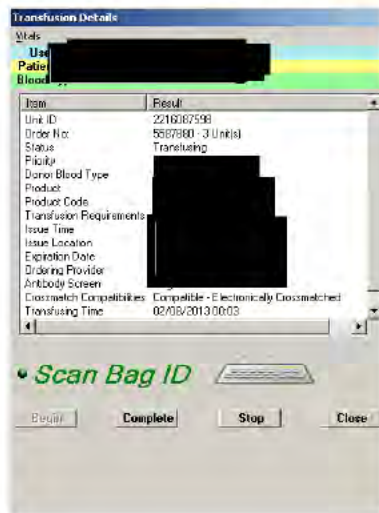
Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-6.14	<p>Select Yes or No in the S/S Reaction drop-down field.</p> <p>Select Continue on desktop application.</p> <p>OR</p> <p>Select OK on PDA.</p> 	<p>Checklist screen is displayed.</p> 		

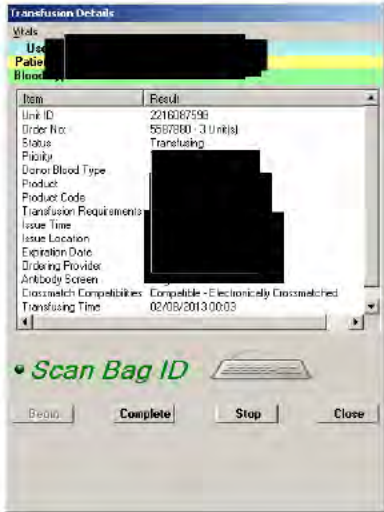
Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-6.15	<p>Select all items in list.</p> <p>Select Edit button above Comment field.</p> 	<p>The Enter Text screen is displayed</p> 		

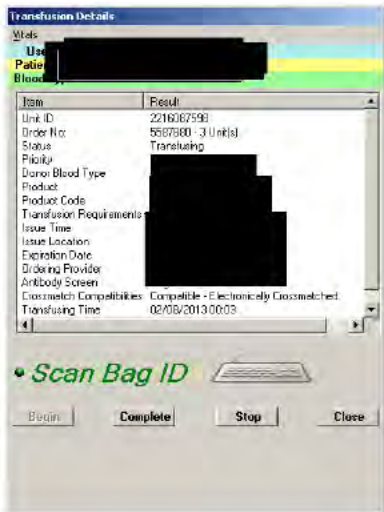

Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-6.16	<p>Enter a comment</p> <p>Select OK</p>  <p>The 'Enter Text' dialog box displays the user and patient information at the top. Below this, it prompts the user to 'Please enter comment' with a text area labeled 'Comment goes here'. At the bottom are 'Cancel' and 'OK' buttons.</p>	<p>Checklist screen is displayed</p>  <p>The 'Checklist' dialog box displays the user and patient information at the top. Below this, it lists five items with checkboxes, all of which are checked: 'Verify patient consent', 'Verify Provider/Physician order', 'Premedication administered', 'Pt. educated r/t procedure/risks', and 'Verify patient IV access'. At the bottom, there is a 'Comment' field with an 'Edit' button and 'Back', 'Cancel', and 'Continue' buttons.</p>		



Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-6.17	<p>Select Continue</p> 	<p>Witness Verification screen is displayed</p> 		


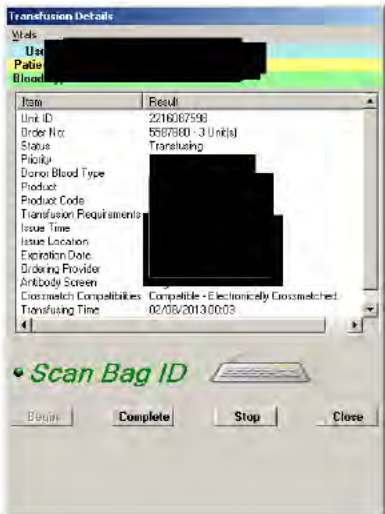
Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-6.18	<p>Witness will enter Access Code/Verify Code.</p> <p>Witness and Transfusionist will verify that information is correct.</p> <p>Select OK.</p> 	<p>Match Confirmation screen will be displayed.</p> 		

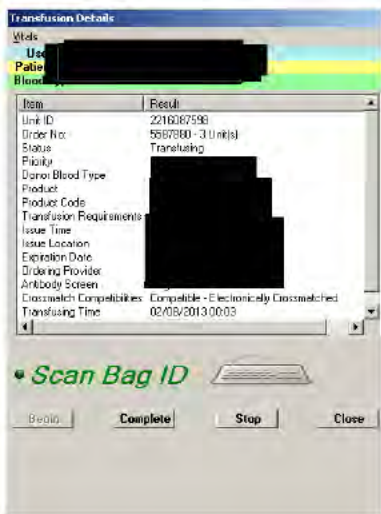
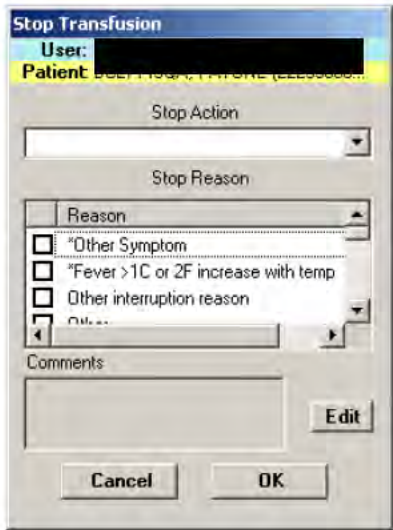
Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-6.19	<p>Before beginning, record date/time from PDA or computer here → _____</p> <p>Select Begin</p>  <p>The Match Confirmation dialog box displays a green checkmark icon and the text: "The blood product unit has been successfully matched to the patient. Click the Begin button to begin the transfusion." At the bottom are "Begin" and "Close" buttons.</p>	<p>Transfusion Details screen is displayed.</p>  <p>The Transfusion Details screen shows a list of fields and their values. The "Transfusing Time" field shows "02/05/2013 00:03". At the bottom, there is a green "Scan Bag ID" prompt with a scanner icon, and four buttons: "Begin", "Complete", "Stop", and "Close".</p>		

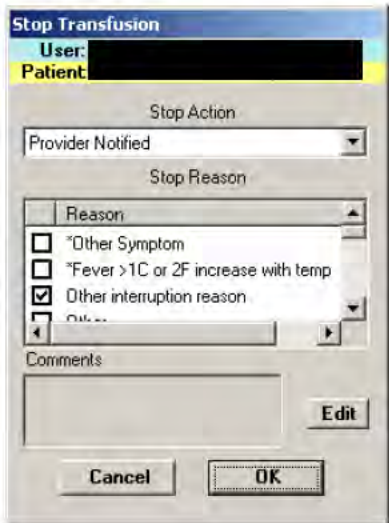

Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-6.20	<p>Validate that information in Transfusion Details screen matches entered information. (Unit ID, Product Code, Transfusing Time, etc.)</p> 	Information validated		
TCA-6.21	<p>Validate that information in Transfusion Details screen is reflected correctly in CPRS. Refer to Vitals recorded above.</p>	<p>Vital signs entered via Transfusion Verification application correctly appear in CPRS (VS, time/date entered).</p>		

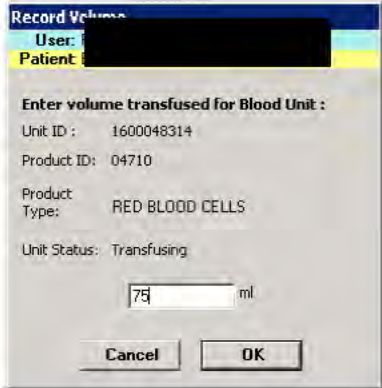
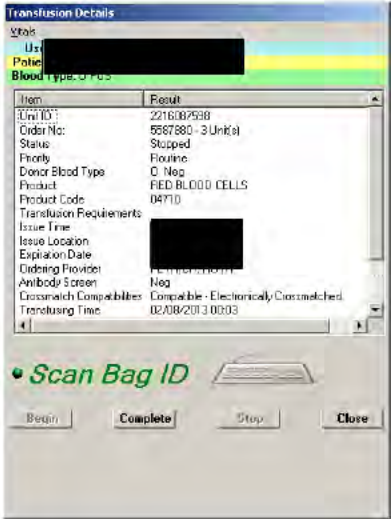
Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-6.22	<p>Select Close</p> 	<p>Orders screen is displayed.</p> <p>The blood product will appear with a status of “Transfusing” and the unit information will be highlighted in Blue.</p> 		


Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-6.23	<p>Select blue highlighted area of transfusing unit to display “Transfusion Activities” link.</p> 	<p>“Transfusion Activities” link is displayed</p> 		


Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-6.24	<p>Select 'Transfusion Activities' link of the unit just placed in transfusing status.</p> 	<p>'Transfusion Details' screen is displayed.</p> 		



Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-6.25	<p>Before stopping, record date/time from PDA or computer</p> <p>here → _____</p> <p>Select Stop</p> 	<p>Stop Transfusion screen is displayed.</p> 		



Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-6.26	<p>Select Stop Action</p> <p>Select Reason(s)</p> <p>Select OK</p> 	<p>Record Volume screen is displayed.</p> 		

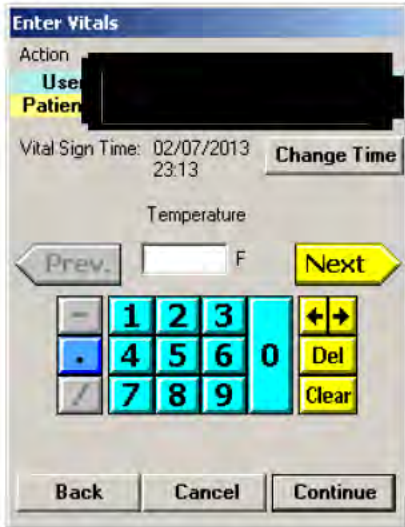
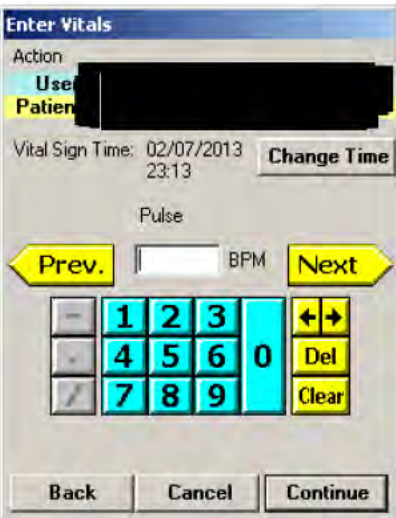
Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-6.27	<p>Enter Volume Transfused</p> <p>Select OK</p> 	<p>Transfusion Details screen is displayed</p> <p>Item "Status" in list indicates Result of "Stopped"</p> 		

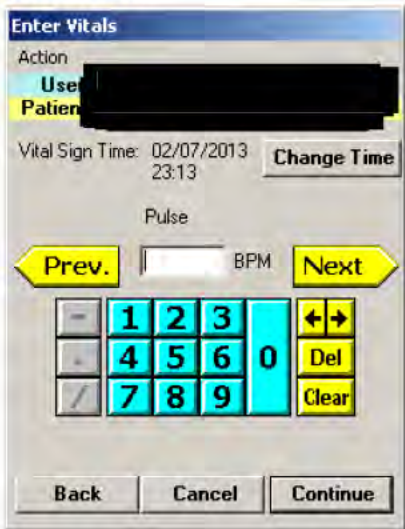

Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-6.28	<p>Validate Result of the following Items from the Item List:</p> <p>Stop Time</p> <p>Stop Reason</p> <p>Volume Transfused</p> 	Item Result data is correct.		



Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-6.29	Select Close	<p>Orders screen is displayed.</p> <p>The stopped unit will appear with a status of “Stopped” and the unit information will be highlighted in Red.</p> 		



Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-6.30	Select the Stopped unit highlighted in Red to display the “Transfusion Activities” link.	<p>“Transfusion Activities” link is displayed.</p> 		
TCA-6.31	Select the “Transfusion Activities” link.	<p>Transfusion Details screen is displayed.</p> 		

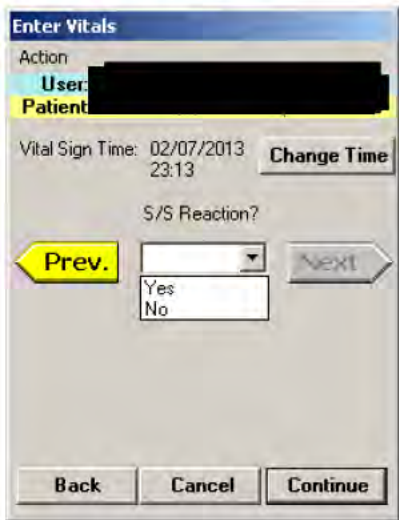
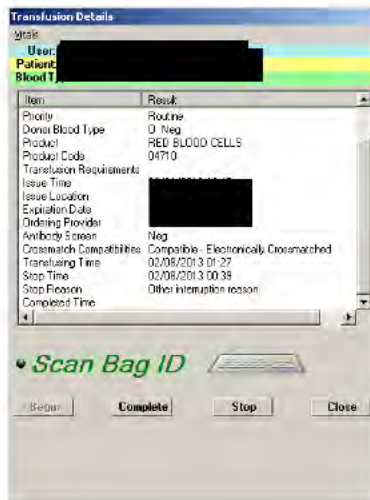
Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-6.32	<p>Scan Unit/Bag ID of same Unit that was just stopped. Use the actual barcode.</p> <p>OR</p> <p>Manually enter Unit/Bag ID in the desktop application by selecting the keyboard icon to the right of "Scan Bag ID".</p> 	<p>The Enter Vitals screen for Temperature is displayed.</p> 		

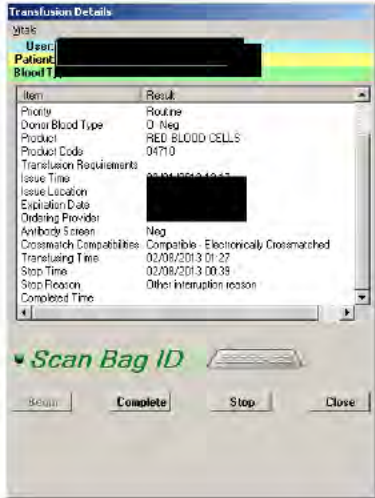

Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-6.33	<p>Enter Temperature on screen and record here → _____</p> <p>Select Next.</p> 	<p>The Enter Vitals screen for Pulse is displayed.</p> 		

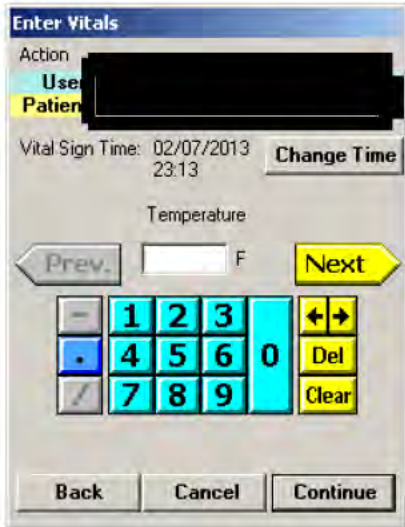
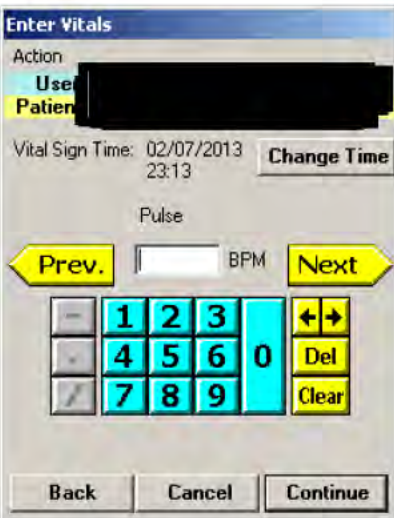
Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-6.34	<p>Enter Pulse on screen and record here → _____</p> <p>Select Next.</p> 	<p>The Enter Vitals screen for Respirations is displayed.</p> 		

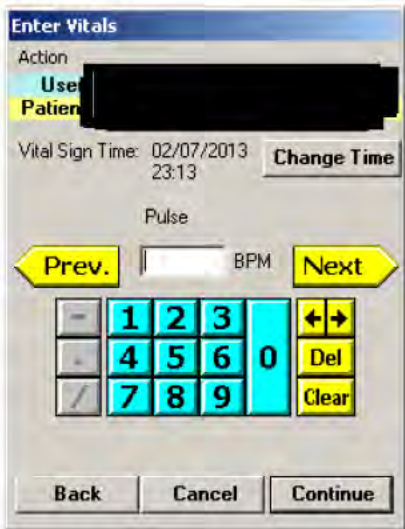

Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-6.35	<p>Enter Respiration on screen and record here → _____</p> <p>Select Next.</p> 	<p>The Enter Vitals screen for Systolic/Diastolic BP is displayed.</p> 		

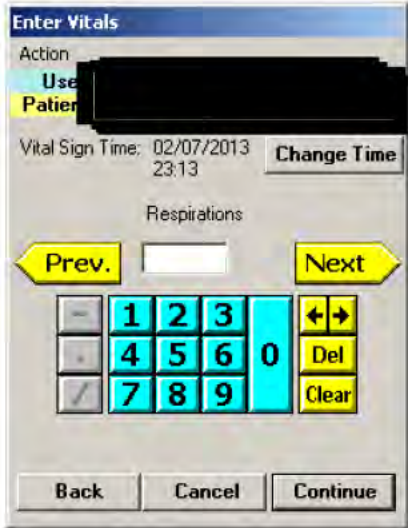

Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-6.36	<p>Enter Blood Pressure on screen and record here → _____</p> <p>Select Next.</p> 	<p>The Enter Vitals screen for S/S Reaction is displayed.</p> 		



Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-6.37	<p>Select Yes or No in the S/S Reaction drop-down field.</p> <p>Before continuing, record date/time from PDA or computer here → _____</p> <p>Select Continue on desktop application.</p> <p>OR</p> <p>Select OK on PDA.</p> 	<p>Transfusion Details screen is displayed.</p> <p>Item “Status” in list indicates Result of “Transfusing”.</p> 		
TCA-6.38	<p>Validate Item “Transfusing Time” in Item List in Transfusion Details screen.</p>	<p>Item “Transfusing Time” in Item List in Transfusion Details indicates restart time recorded above.</p>		

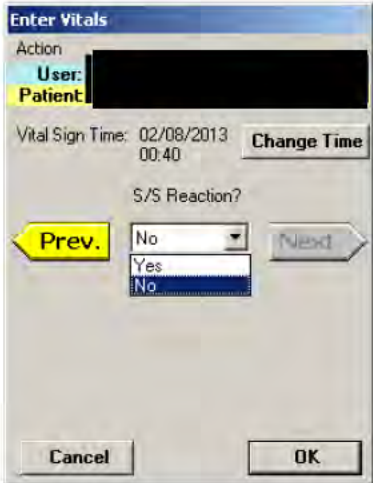

Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-6.39	<p>Select Complete</p> 	<p>The Enter Vitals screen for Temperature is displayed.</p> 		


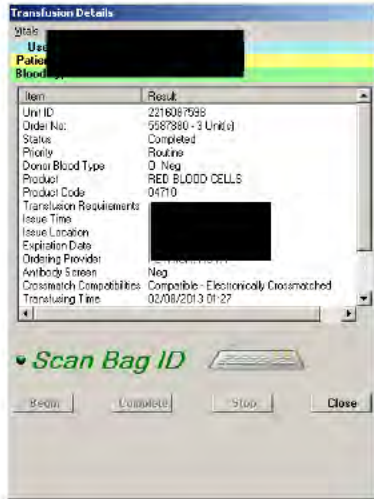
Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-6.40	<p>Enter Temperature on screen and record here → _____</p> <p>Select Next.</p> 	<p>The Enter Vitals screen for Pulse is displayed.</p> 		

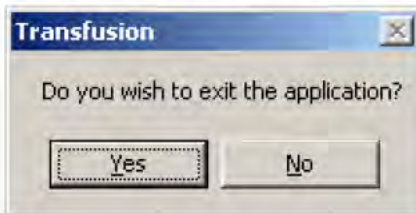
Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-6.41	<p>Enter Pulse on screen and record here → _____</p> <p>Select Next.</p> 	<p>The Enter Vitals screen for Respirations is displayed.</p> 		

Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-6.42	<p>Enter Respiration on screen and record here → _____</p> <p>Select Next.</p> 	<p>The Enter Vitals screen for Systolic/Diastolic BP is displayed.</p> 		

Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-6.43	<p>Enter Blood Pressure on screen and record here → _____</p> <p>Select Next.</p> 	<p>The Enter Vitals screen for S/S Reaction is displayed.</p> 		

Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-6.44	<p>Select Yes or No in the S/S Reaction drop-down field.</p> <p>Before continuing, record date/time from PDA or computer here → _____</p> <p>Select Continue on desktop application. OR Select OK on PDA.</p> 	<p>Record Volume screen is displayed.</p> 		

Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-6.45	<p>Enter Volume Transfused.</p> <p>Select OK.</p> 	<p>Transfusion Details screen is displayed.</p> <p>Item “Status” in list indicates Result of “Completed”.</p> <p>Item “Completed Time” in list indicates correct completion time.</p> 		
TCA-6.46	<p>Validate that information in Transfusion Details screen is reflected correctly in CPRS Progress Note (TIU).</p>	<p>Correct data appears in CPRS Progress Note (TIU).</p>		
TCA-6.47	<p>Validate that information in Transfusion Details screen is reflected correctly in VBECS.</p>	<p>Correct data appears in VBECS.</p>		
TCA-6.48	<p>Select Close to close the Transfusion Details screen</p>	<p>The Orders screen is displayed.</p>		

Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-6.49	Select Close to close Orders screen.	The Nursing Units List screen is displayed.		
TCA-6.50	Select Close to close Transfusion Verification application.	<p>Message is displayed: “Do you wish to exit the application?”</p> 		
TCA-6.51	Select Yes.	The application closes.		

2.3.7 Site Ad Hoc Testing Blank Form

It is strongly recommended that each test site conduct additional ad hoc testing to include scenarios and workflow that may be deemed pertinent to that specific test site. Use this section as a template to record any additional tests.

Note: If any step does not pass it is imperative that all steps leading up to and causing the failure are fully documented. If possible obtain Screenshots via Pocket Controller (For PDA use) or Print Screen (for desktop/laptop use). This will aid in attempts to reproduce and document the failure.

Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-7.0	Site Ad Hoc Testing Blank Form			

Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-7.1 Setup	<p>Complete setup instructions.</p> <ol style="list-style-type: none"> 1. Define Patient and Blood Product setup required. 2. Actual barcodes as opposed to manually created codes. 			

Number and Name	Steps	Expected Result	Actual Result	P/F																																			
TCA-7.2 Record test Information	Record testing information:																																						
	This is required in order for this test item to be regarded as “Passed”.																																						
	Some of this information may not be available until actually beginning the steps below. The tester may need to return to this item to complete this step as the test progresses.																																						
	Testing record for single pass.																																						
	<table><tr><td>Date/Time</td><td></td></tr><tr><td>Device Used</td><td></td></tr><tr><td>Name of Tester</td><td></td></tr><tr><td>Name/SSN Patient</td><td></td></tr><tr><td>Division</td><td></td></tr><tr><td>Ward/Clinic</td><td></td></tr><tr><td>Blood Unit ID</td><td></td></tr><tr><td>Blood Product Code</td><td></td></tr><tr><td>Barcode Type(s)</td><td></td></tr></table>				Date/Time		Device Used		Name of Tester		Name/SSN Patient		Division		Ward/Clinic		Blood Unit ID		Blood Product Code		Barcode Type(s)																		
	Date/Time																																						
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Ward/Clinic																																							
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Blood Product Code																																							
Barcode Type(s)																																							
Example of cumulative testing record of multiple passes for final testing report.																																							
<table><tr><th>Date/Time</th><th>Device Used</th><th>Name of Tester</th><th>Name/ Patient ID</th><th>Division</th><th>Ward/ Clinic</th><th>Blood Unit ID</th><th>Blood Product Code</th><th>UFT Script / Barcode Type(s)</th></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr><tr><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr></table>				Date/Time	Device Used	Name of Tester	Name/ Patient ID	Division	Ward/ Clinic	Blood Unit ID	Blood Product Code	UFT Script / Barcode Type(s)																											
Date/Time	Device Used	Name of Tester	Name/ Patient ID	Division	Ward/ Clinic	Blood Unit ID	Blood Product Code	UFT Script / Barcode Type(s)																															

Number and Name	Steps	Expected Result	Actual Result	P/F
TCA-7.3				