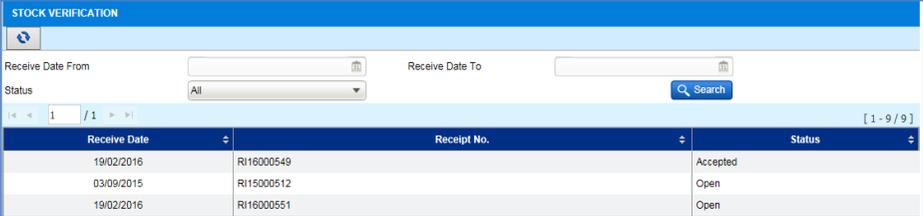
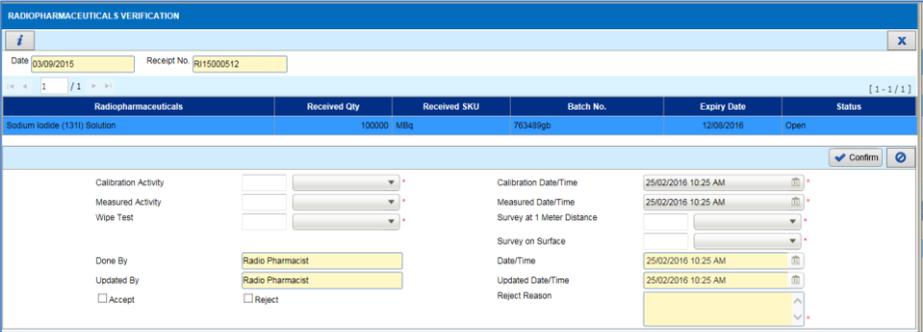
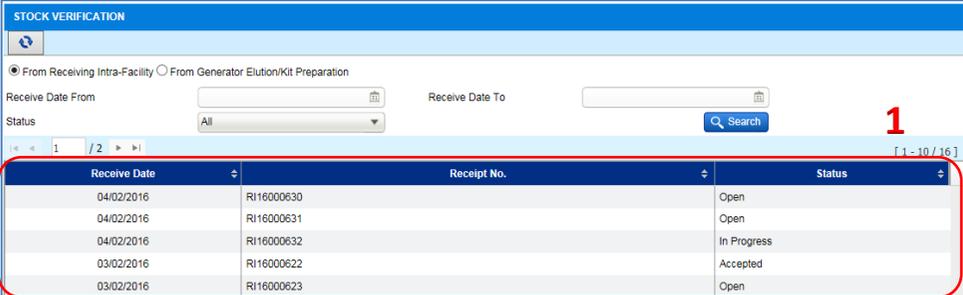
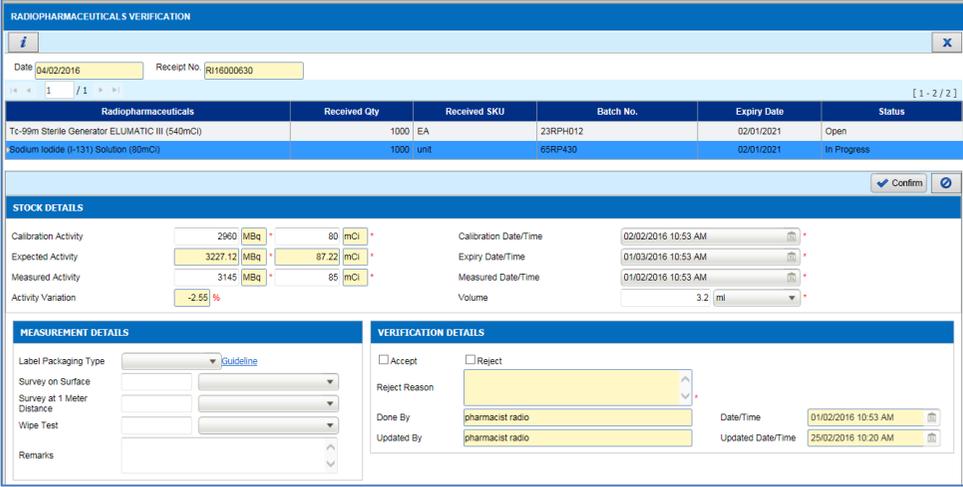




Proposed Solution

No.	Ticket #	Description	Requests	Proposed Solution
1.	I-PHIS012795515S	Radiopharma Stock Verification - Update calculation for Activity Variation	<ol style="list-style-type: none">i. Add value to display Expected Activity and Date Timeii. Activity Variation should calculate based on variation between Expected Activity and Measured Activity	<ul style="list-style-type: none">• Add value to display Expected Activity and Date Time.• Activity Variation should calculate based on variation between Expected Activity and Measured Activity.• Display Expiry Date and Time. Auto generate based on Calibration Date/Time and Expiry Duration as setup in Radiopharma Setup.• Mandatory only for Calibration Activity and Measured Activity.
2.	I-PHIS012792715S	Display Expiry Date and Time. Auto generate based on Calibration Date/Time and Expiry Duration as setup in Radiopharma Setup.	Display Expiry Date and Time. Auto generate based on Calibration Date/Time and Expiry Duration as setup in Radiopharma Setup.	
3.	I-PHIS012795415S	Radiopharma Stock Verification - Update mandatory field	Mandatory only for Calibration Activity and Measured Activity	



Function Flow	Radiopharma Stock Verification in current Version 1.3.8	Radiopharma Stock Verification in new Version 1.4.1						
<p>1. Screen function</p>	<p><u>Stock Verification screen</u> Record is displayed when Receiving – Intra Facility transaction done for non-compounded radiopharma item.</p>  <p>Double click on any record, screen as below is displayed:</p> 	<p><u>Stock Verification – From Receiving Intra-Facility</u></p> <ol style="list-style-type: none"> Added options to view list ‘From Receiving Intra-Facility’ or ‘From Generator Elution/Kit Preparation’. When ‘From Receiving Intra-Facility’ selected, record is displayed from Inventory – Receiving (Intra) transaction:  <ol style="list-style-type: none"> When double click any records, system will display as below. Click on any drug listed to display the details section:  <table border="1"> <thead> <tr> <th>No.</th> <th>New fields</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>a.</td> <td>UOM</td> <td>Able to enter both MBq and mCi. When either one value entered, system auto-calculate the other value.</td> </tr> </tbody> </table>	No.	New fields	Description	a.	UOM	Able to enter both MBq and mCi. When either one value entered, system auto-calculate the other value.
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Function Flow	Radiopharma Stock Verification in current Version 1.3.8	Radiopharma Stock Verification in new Version 1.4.1			
		b.	<table border="1"> <tr> <td data-bbox="1279 248 1509 360">Expected Activity</td> <td data-bbox="1509 248 2184 360">System auto-calculate the activity value based on the Calibration Activity, Calibration Date/Time and Measured Date/Time.</td> </tr> </table>	Expected Activity	System auto-calculate the activity value based on the Calibration Activity, Calibration Date/Time and Measured Date/Time.
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c.	Activity Variation	<table border="1"> <tr> <td data-bbox="1509 360 2184 579">Value is the percentage of the difference between Expected Activity and Measured Activity, calculation: $(\text{Measured Activity} - \text{Expected Activity}) / \text{Expected Activity} \times 100\%$ Once Activity Variation not within range (+ -) 5 %, pop up alert will display for user to enter remarks.</td> </tr> </table>	Value is the percentage of the difference between Expected Activity and Measured Activity, calculation: $(\text{Measured Activity} - \text{Expected Activity}) / \text{Expected Activity} \times 100\%$ Once Activity Variation not within range (+ -) 5 %, pop up alert will display for user to enter remarks.		
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d.	Expiry Date	<table border="1"> <tr> <td data-bbox="1509 579 2184 687">Auto calculate based on Calibration Date/Time and Expiry Duration as setup in Radiopharma setup screen.</td> </tr> </table>	Auto calculate based on Calibration Date/Time and Expiry Duration as setup in Radiopharma setup screen.		
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e.	Volume	<table border="1"> <tr> <td data-bbox="1509 687 2184 798">New field for user to enter Volume for each item. Able to choose UOM either 'ml' or 'capsule'. Mandatory when confirm record.</td> </tr> </table>	New field for user to enter Volume for each item. Able to choose UOM either 'ml' or 'capsule'. Mandatory when confirm record.		
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f.	Label Packaging Type	<table border="1"> <tr> <td data-bbox="1509 798 2184 979"> Values are: <ul style="list-style-type: none"> - White I - Yellow II - Yellow III - Yellow III (a) </td> </tr> </table>	Values are: <ul style="list-style-type: none"> - White I - Yellow II - Yellow III - Yellow III (a) 		
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g.	Survey at 1 Meter Distance	<table border="1"> <tr> <td data-bbox="1509 979 2184 1088"> Updated UOM values: <ul style="list-style-type: none"> - mR/hr - mSv/hr </td> </tr> </table>	Updated UOM values: <ul style="list-style-type: none"> - mR/hr - mSv/hr 		
Updated UOM values: <ul style="list-style-type: none"> - mR/hr - mSv/hr 					
h.	Survey on Surface	<table border="1"> <tr> <td data-bbox="1509 1088 2184 1197"> Updated UOM values: <ul style="list-style-type: none"> - mR/hr - mSv/hr </td> </tr> </table>	Updated UOM values: <ul style="list-style-type: none"> - mR/hr - mSv/hr 		
Updated UOM values: <ul style="list-style-type: none"> - mR/hr - mSv/hr 					



Function Flow	Radiopharma Stock Verification in current Version 1.3.8	Radiopharma Stock Verification in new Version 1.4.1																																							
		<p>4. Click on Label Packaging Type – Guidelines hyperlink and pop up as below is displayed:</p> <div data-bbox="1205 325 2175 603"> <table border="1"> <thead> <tr> <th>Unit</th> <th>Label Packaging Type</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td rowspan="4">mSv/hr</td> <td>White I</td> <td>Survey on Surface = Not more than (or equal) 0.005 mSv/hr</td> </tr> <tr> <td>Yellow II</td> <td>Survey on Surface = More than 0.005 mSv/hr, not more than (or equal) 0.5 mSv/hr</td> </tr> <tr> <td>Yellow III</td> <td>Survey on Surface = More than 0.5 mSv/hr, not more than (or equal) 2 mSv/hr</td> </tr> <tr> <td>Yellow III(a)</td> <td>Survey on Surface = More than 2 mSv/hr, not more than (or equal) 10 mSv/hr</td> </tr> <tr> <td rowspan="4">mR/hr</td> <td>White I</td> <td>White I : Survey on Surface = Not more than (or equal) 0.5 mR/hr</td> </tr> <tr> <td>Yellow II</td> <td>Yellow II : Survey on Surface = More than 0.5 mR/hr, not more than (or equal) 50 mR/hr</td> </tr> <tr> <td>Yellow III</td> <td>Yellow III : Survey on Surface = More than 50 mR/hr, not more than (or equal) 200 mR/hr</td> </tr> <tr> <td>Yellow III(a)</td> <td>Yellow III(a) : Survey on Surface = More than 200 mR/hr, not more than (or equal) 1000 mR/hr</td> </tr> </tbody> </table> </div> <p>When value is entered in Survey on Surface, when Confirm record system will validate the value with the criteria above. If not fulfill, remarks is mandatory to Accept and Confirm the record.</p> <p>5. When the item type is generator, fields display as below,</p> <div data-bbox="1205 791 2175 1257"> <p>RADIOPHARMACEUTICALS VERIFICATION</p> <p>Date: 04/02/2016 Receipt No: RU16000630</p> <table border="1"> <thead> <tr> <th>Radiopharmaceuticals</th> <th>Received Qty</th> <th>Received SKU</th> <th>Batch No.</th> <th>Expiry Date</th> <th>Status</th> </tr> </thead> <tbody> <tr> <td>Tc-99m Sterile Generator ELLUMATIC III (540mCi)</td> <td>1000 EA</td> <td>23RPH012</td> <td></td> <td>02/01/2021</td> <td>Open</td> </tr> <tr> <td>Sodium Iodide (I-131) Solution (80mCi)</td> <td>1000 unit</td> <td>65RP430</td> <td></td> <td>02/01/2021</td> <td>In Progress</td> </tr> </tbody> </table> <p>STOCK DETAILS</p> <p>Calibration Activity: MBq / mCi Calibration Date/Time: 04/02/2016 10:39 AM Generator Batch Code: Batch Code History Expiry Date/Time: Year: 2016</p> <p>MEASUREMENT DETAILS</p> <p>Label Packaging Type: Guideline Survey on Surface: Survey at 1 Meter: Distance: Wipe Test: Remarks:</p> <p>VERIFICATION DETAILS</p> <p><input type="checkbox"/> Accept <input type="checkbox"/> Reject Reject Reason: Done By: rp 1 Date/Time: 04/02/2016 10:39 AM Updated By: pharmacist radio Updated Date/Time: 25/02/2016 9:39 AM</p> </div> <p>a. Hide non-related fields. b. Generator Batch Code: New field only for Generator item to specify code to be used during Generator Elution as the Product Batch No. Value is mandatory, restricted to only 2 chars and no duplicate allowed for the same year. c. Year: New field to specify the year to differentiate the code refers to which year.</p>	Unit	Label Packaging Type	Description	mSv/hr	White I	Survey on Surface = Not more than (or equal) 0.005 mSv/hr	Yellow II	Survey on Surface = More than 0.005 mSv/hr, not more than (or equal) 0.5 mSv/hr	Yellow III	Survey on Surface = More than 0.5 mSv/hr, not more than (or equal) 2 mSv/hr	Yellow III(a)	Survey on Surface = More than 2 mSv/hr, not more than (or equal) 10 mSv/hr	mR/hr	White I	White I : Survey on Surface = Not more than (or equal) 0.5 mR/hr	Yellow II	Yellow II : Survey on Surface = More than 0.5 mR/hr, not more than (or equal) 50 mR/hr	Yellow III	Yellow III : Survey on Surface = More than 50 mR/hr, not more than (or equal) 200 mR/hr	Yellow III(a)	Yellow III(a) : Survey on Surface = More than 200 mR/hr, not more than (or equal) 1000 mR/hr	Radiopharmaceuticals	Received Qty	Received SKU	Batch No.	Expiry Date	Status	Tc-99m Sterile Generator ELLUMATIC III (540mCi)	1000 EA	23RPH012		02/01/2021	Open	Sodium Iodide (I-131) Solution (80mCi)	1000 unit	65RP430		02/01/2021	In Progress
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		<p>d. Click on 'Batch Code History' hyperlink: Screen as below is displayed as the summary of all Generator Batch with the Batch Code and Year.</p> <div data-bbox="1301 327 2175 632" data-label="Table"> <p>BATCH CODE HISTORY</p> <table border="1"> <thead> <tr> <th>Item Code</th> <th>Item Description</th> <th>Expiry Date/Time</th> <th>Batch No</th> <th>Batch Code</th> <th>Year</th> </tr> </thead> <tbody> <tr> <td>RPH000050.01</td> <td>Tc-99m Sterile Generator ELUMATIC III (540mCi)</td> <td>02/01/2021 09:46 AM</td> <td>23RPH012</td> <td>01</td> <td>2016</td> </tr> <tr> <td>RPH000050.01</td> <td>Tc-99m Sterile Generator ELUMATIC III (540mCi)</td> <td>11/02/2016 10:50 AM</td> <td>GABD32</td> <td>04</td> <td>2016</td> </tr> <tr> <td>RPH000050.01</td> <td>Tc-99m Sterile Generator ELUMATIC III (540mCi)</td> <td>30/04/2016 03:02 PM</td> <td>B02022016</td> <td>03</td> <td>2016</td> </tr> <tr> <td>RPH000050.01</td> <td>Tc-99m Sterile Generator ELUMATIC III (540mCi)</td> <td></td> <td>23RPH012</td> <td></td> <td></td> </tr> <tr> <td>RPH000050.01</td> <td>Tc-99m Sterile Generator ELUMATIC III (540mCi)</td> <td>28/01/2016 02:41 PM</td> <td>BATCH886544</td> <td>02</td> <td>2016</td> </tr> <tr> <td>RPH000050.01</td> <td>Tc-99m Sterile Generator ELUMATIC III (540mCi)</td> <td></td> <td>B26102015</td> <td></td> <td></td> </tr> </tbody> </table> </div> <p>Stock Verification – From Generator Elution/Kit Preparation</p> <ol style="list-style-type: none"> When 'From Generator Elution/Kit Preparation' selected, record is displayed from Radiopharma Manufacturing – Generator Elution or Kit Preparation transaction: <div data-bbox="1205 818 2175 1193" data-label="Table"> <p>STOCK VERIFICATION</p> <p><input type="radio"/> From Receiving Intra-Facility <input checked="" type="radio"/> From Generator Elution/Kit Preparation</p> <p>Item Code: <input type="text"/> Item Description: <input type="text"/></p> <p>Batch: <input type="text"/></p> <p>Expiry Date From: <input type="text"/> Expiry Date To: <input type="text"/></p> <p>Created Date From: <input type="text"/> Created Date To: <input type="text"/></p> <p><input type="button" value="Search"/></p> <p>1</p> <table border="1"> <thead> <tr> <th>Item Code</th> <th>Item Description</th> <th>Batch</th> <th>Expiry Date/Time</th> <th>Created Date/Time</th> <th>Updated Date/Time</th> </tr> </thead> <tbody> <tr> <td>RPH000003.01</td> <td>Sodium Pertechnetate (Tc-99m)</td> <td>03.12Tc160225</td> <td>28/02/2016 09:37 AM</td> <td>25/02/2016 09:36 AM</td> <td>25/02/2016 09:38 AM</td> </tr> <tr> <td>RPH000003.01</td> <td>Sodium Pertechnetate (Tc-99m)</td> <td>03.11Tc160224</td> <td>27/02/2016 03:08 PM</td> <td>24/02/2016 03:08 PM</td> <td>24/02/2016 03:08 PM</td> </tr> <tr> <td>RPH000003.01</td> <td>Sodium Pertechnetate (Tc-99m)</td> <td>03.09Tc160224</td> <td>27/02/2016 02:33 PM</td> <td>24/02/2016 02:33 PM</td> <td>24/02/2016 02:33 PM</td> </tr> <tr> <td>RPH000003.01</td> <td>Sodium Pertechnetate (Tc-99m)</td> <td>03.06Tc160223</td> <td>26/02/2016 10:36 AM</td> <td>23/02/2016 10:36 AM</td> <td>23/02/2016 10:36 AM</td> </tr> <tr> <td>RPH000004.01</td> <td>Technetium (99mTc) Albumin Colloid</td> <td>D1.TC151026.1</td> <td>25/02/2016 02:13 PM</td> <td>04/02/2016 02:29 PM</td> <td>23/02/2016 10:13 AM</td> </tr> </tbody> </table> </div>	Item Code	Item Description	Expiry Date/Time	Batch No	Batch Code	Year	RPH000050.01	Tc-99m Sterile Generator ELUMATIC III (540mCi)	02/01/2021 09:46 AM	23RPH012	01	2016	RPH000050.01	Tc-99m Sterile Generator ELUMATIC III (540mCi)	11/02/2016 10:50 AM	GABD32	04	2016	RPH000050.01	Tc-99m Sterile Generator ELUMATIC III (540mCi)	30/04/2016 03:02 PM	B02022016	03	2016	RPH000050.01	Tc-99m Sterile Generator ELUMATIC III (540mCi)		23RPH012			RPH000050.01	Tc-99m Sterile Generator ELUMATIC III (540mCi)	28/01/2016 02:41 PM	BATCH886544	02	2016	RPH000050.01	Tc-99m Sterile Generator ELUMATIC III (540mCi)		B26102015			Item Code	Item Description	Batch	Expiry Date/Time	Created Date/Time	Updated Date/Time	RPH000003.01	Sodium Pertechnetate (Tc-99m)	03.12Tc160225	28/02/2016 09:37 AM	25/02/2016 09:36 AM	25/02/2016 09:38 AM	RPH000003.01	Sodium Pertechnetate (Tc-99m)	03.11Tc160224	27/02/2016 03:08 PM	24/02/2016 03:08 PM	24/02/2016 03:08 PM	RPH000003.01	Sodium Pertechnetate (Tc-99m)	03.09Tc160224	27/02/2016 02:33 PM	24/02/2016 02:33 PM	24/02/2016 02:33 PM	RPH000003.01	Sodium Pertechnetate (Tc-99m)	03.06Tc160223	26/02/2016 10:36 AM	23/02/2016 10:36 AM	23/02/2016 10:36 AM	RPH000004.01	Technetium (99mTc) Albumin Colloid	D1.TC151026.1	25/02/2016 02:13 PM	04/02/2016 02:29 PM	23/02/2016 10:13 AM
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Function Flow	Radiopharma Stock Verification in current Version 1.3.8	Radiopharma Stock Verification in new Version 1.4.1
		<p data-bbox="1249 256 2175 288">2. When double click any record on the listing, system will display as below:</p> <div data-bbox="1205 292 2175 663"></div> <p data-bbox="1205 671 2114 735">Only fields above is displayed. Record is auto-created as Accepted once user Approve the Generator Elution or Kit Preparation record.</p>