

SV8000 Series to SV9000 Migration



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1. Scope

The scope of this document is to serve as a guide to the user of the LMS to upgrade from the Univerge SV8000 series to the Univerge SV9000 series of PBX systems. This guide explains the overall functionality of SV81/83/8500 upgrade to SV 91/93/9500 respectively.

2. Purpose

The purpose of this document is to describe the steps needed to migrate from the Univerge SV8000 to Univerge SV9000.

3. Introduction

The SV8000 to SV9000 migration gives an option for the user to upgrade from the SV8000 series to the SV9000 series. The user can upgrade from SV8100 to SV9100, SV8300 to SV9300 and SV8500 to SV9500. SV8100 and SV8300 follow same process for migration. SV8500 will have a few differences from the SV8100/SV8300 migration.

The SV9500 model has two types of PBX systems. SV9500 Appliance Model (Type1) checks whether the SV8500 system has CP02 hardware or not. If it has CP02 hardware, then the LMS creates the HKC by reusing current hardware, otherwise the LMS will request a new HKC from the user. SV9500 Prepackaged Server or Software Model (Type 2) license will need an IP address (manually entered by the user) and a server license to generate a HKC.

The Application Location is migrated along with the Parent PBX location. If there are SRMGC Locations then these locations will need to be rebuilt after the migration by the user.

All the SV8000 series licenses will be static after migration. The user will be able to see the activated licenses on the old HKC as a history, but the user will not be able to generate the license file. Upon migrating, the LMS will update this information to clients/ services subscribed for this information.

The migrated location will maintain the same identity as that of the existing SV8000 location.

4. Abbreviations

EULA - End User License Agreement

LMS - License Management System

FOCUS - US ERP system

SWADB - Europe ERP system

HKC - Hardware Key Code

5. Assumptions

The user is aware of LMS functionality and has already been through the process of attaching and activating licenses on new/existing locations.

6. Process Flow

6.1 SV81/8300 to SV91/SV9300 Migration

1. The user can upgrade from the SV8000 series to the SV9000 series by clicking on this icon



from the License Information page as shown in Figure 1.


The screenshot shows the 'License Administration' page for a customer location. The navigation bar includes 'Home', 'License Administration', 'Customer', 'Tools', and 'Help'. The page title is 'License Bin: All Attached and Activated Licenses for Customer Location'. The location details are: Location Name: testdc, 890 Irving TX usa 75038; Primary Hardware Key Code: 191022178727; System: SV8100. A yellow box with a green arrow icon and the text 'SV9000 Migration' is visible next to the system name. Below this, it states 'You have 2 demo license(s) left. Generate Demo License UX to SV8100 Entitlement'. The 'Attached Licenses' section contains a table with two rows of license information. The 'Activated Licenses' section contains a table with one row of license information. There are 'Activate' and 'Regenerate' buttons at the bottom of the license sections. The footer text reads: 'LMS (V 6.5.0.0) Copyright © 2007 - 2014 NEC Enterprise Communication Technologies, Inc. All Rights Reserved.'

Location Name	testdc	890 Irving TX usa 75038
Primary Hardware Key Code	191022178727	
System	SV8100	SV9000 Migration
Location Id	You have 2 demo license(s) left. Generate Demo License UX to SV8100 Entitlement	

Software Key Code	Part Name(Number)	Qty	Purchase Order	Sales Order
M319KB2DD3FJUUH6AEAE	LKS-RGA-CNF-ENHANCE I LIC (RGA ENH II)	3	MIGDC_20141223892	MIGDC_20141223892
X5198LU164AHVXPMAS4E	LKS-RGA-CNF-ENHANCE III LIC (RGA ENH III)	3	MIGDC_20141223892	MIGDC_20141223892

Software Key Code	Part Name(Number)	Qty	Purchase Order	Sales Order	Activated
N919TEN2C6C5N9CCKJ1T	LKS-RGA-CNF-ENHANCE I LIC (RGA ENH I)	3	MIGDC_20141223892	MIGDC_20141223892	05/12/2014

Figure 1

2. Once the user clicks on the icon,  a pop-up will appear that requests the new HKC as shown in Figure 2.

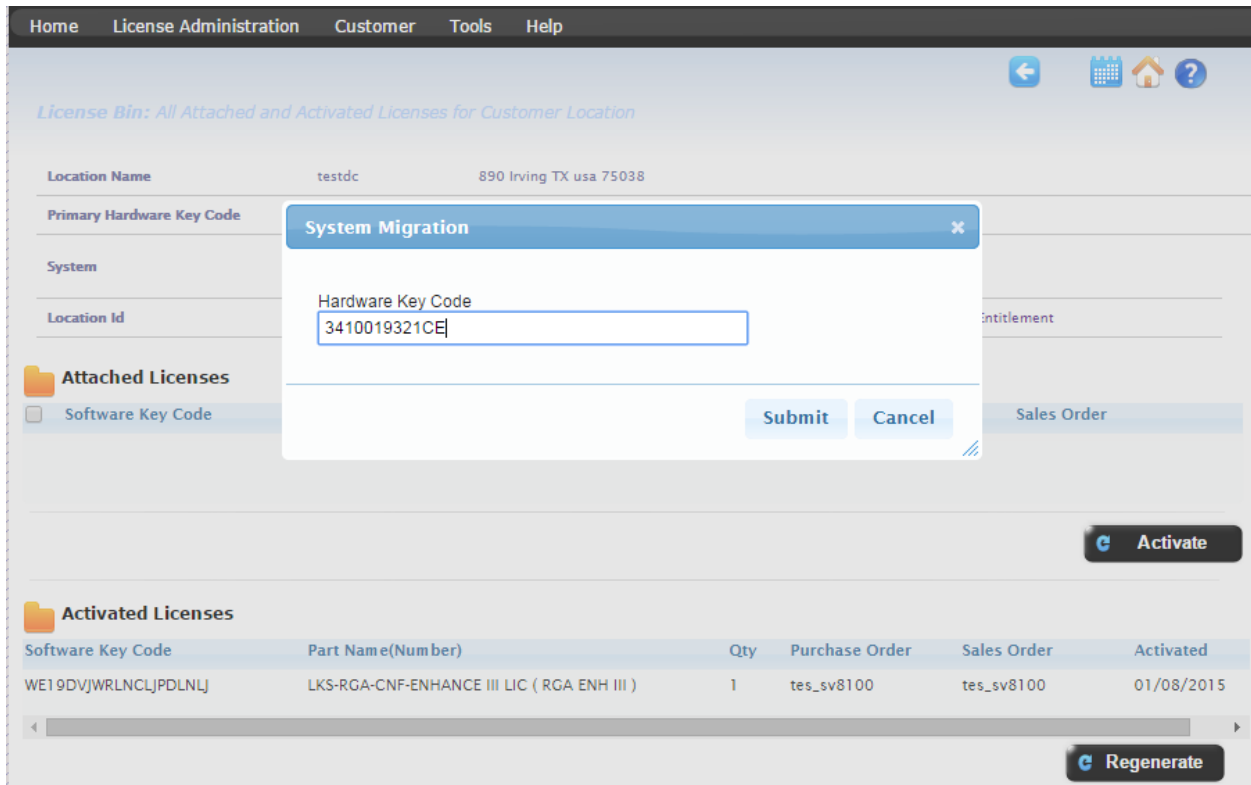


Figure 2

- The user will need to enter the hardware key code of the new system and click 'Submit.' Upon submission a confirmation box will appear to the user as shown in Figure 3. If the user selects 'Yes' the LMS validates the HKC.

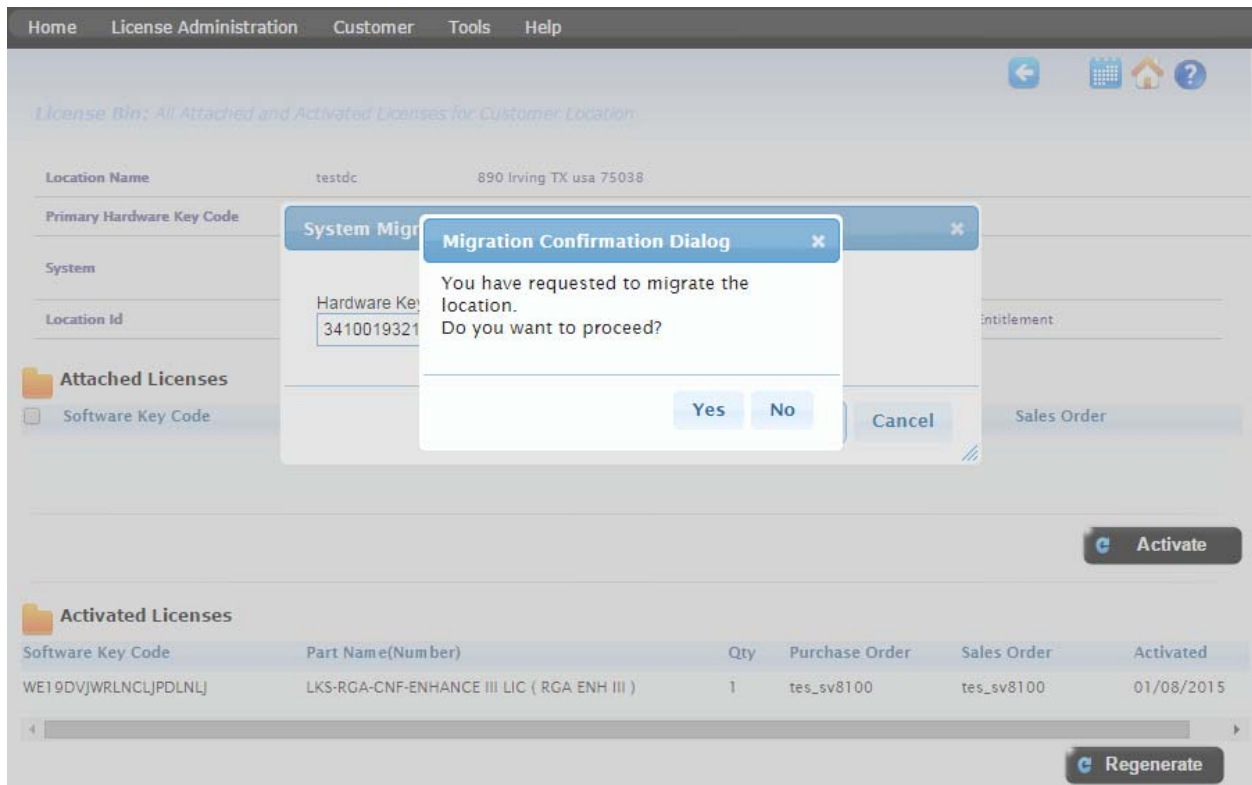


Figure 3

- The migrated location to the SV9100 will be validated and the LMS will update the EULA server. Below, in Figure 4, is an example of the Migration License information page upon a successful migration.

Home License Administration Customer Tools Help

Migration done successfully

License Bin: All Attached and Activated Licenses for Customer Location

Location Name	testdc	890 Irving TX usa 75038
Primary Hardware Key Code	3410024023FB	
System	SV9100	
Location Id	You have 2 demo license(s) left. Generate Demo License UX to SV8100 Entitlement	

Attached Licenses


Software Key Code	Part Name(Number)	Qty	Purchase Order	Sales Order
Activate				

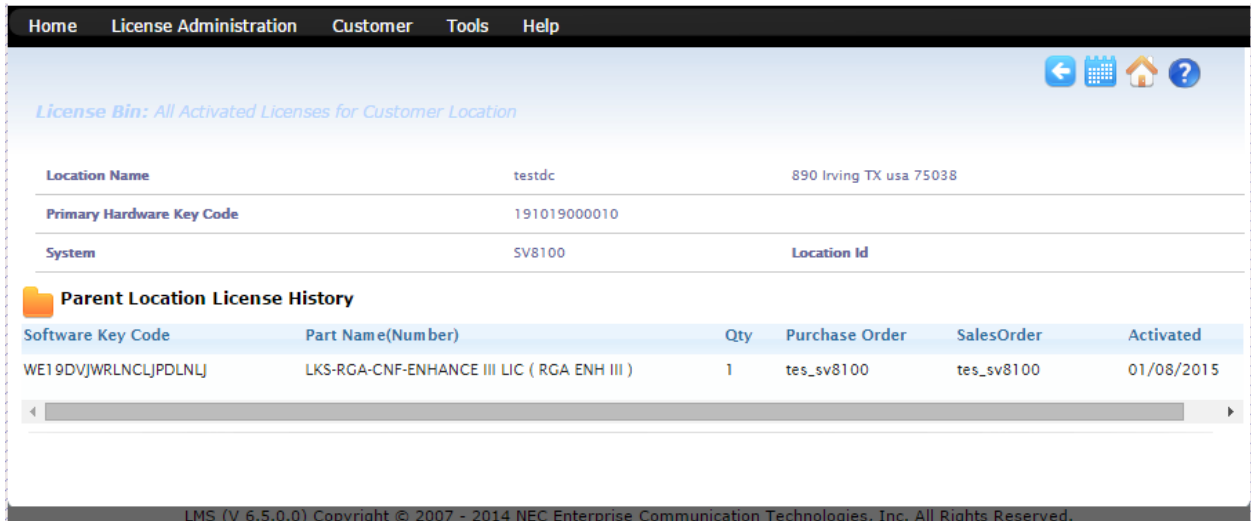
Activated Licenses

Software Key Code	Part Name(Number)	Qty	Purchase Order	Sales Order	Activated
WG34714ARCRAHGPK8RFN	SV9100 SYS Version R1-Lic (640772)	1	FE20150852381	FE20150852381	01/08/2015

[Regenerate](#)

Figure 4

- To check historical information, the user can click on this icon . The user cannot generate a license file based on historical system license information, but the licenses will be displayed as seen below in Figure 5.



Home License Administration Customer Tools Help

License Bin: All Activated Licenses for Customer Location

Location Name testdc 890 Irving TX usa 75038

Primary Hardware Key Code 191019000010


System SV8100 Location Id

Parent Location License History


Software Key Code	Part Name(Number)	Qty	Purchase Order	SalesOrder	Activated
WE19DVJWRLNCLJPDNLJ	LKS-RGA-CNF-ENHANCE III LIC (RGA ENH III)	1	tes_sv8100	tes_sv8100	01/08/2015


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Figure 5

- To navigate back to current Location license information page, the user should click on the blue arrow icon  (Figure 5).





6.2 SV8500 to SV9500 Migration

- The user can upgrade from the SV8500 to the SV9500 by clicking on this icon  from the License Information page as shown in Figure 6 .



 Empowered by Innovation

Supervisor/Shree Menon
 Date: November 03, 2014
 logout

Home
License Administration
Customer
Tools
Help

License Bin: All Attached and Activated Licenses for Customer Location

Location Name	ShreeTest8500	Ircing Irving TX USA 75039
Primary Hardware Key Code	22776701E2E8E051C50864A491wM	secondary hardware key code 22767701E2E8E051C50864A491wM
System	SV8500	 List of Locations  SV9000 Migration
Location Id	000102360-001	

Attached Licenses

Software Key Code	Part Name(Number)	Qty	Purchase Order	Sales Order

c Activate


Activated Licenses

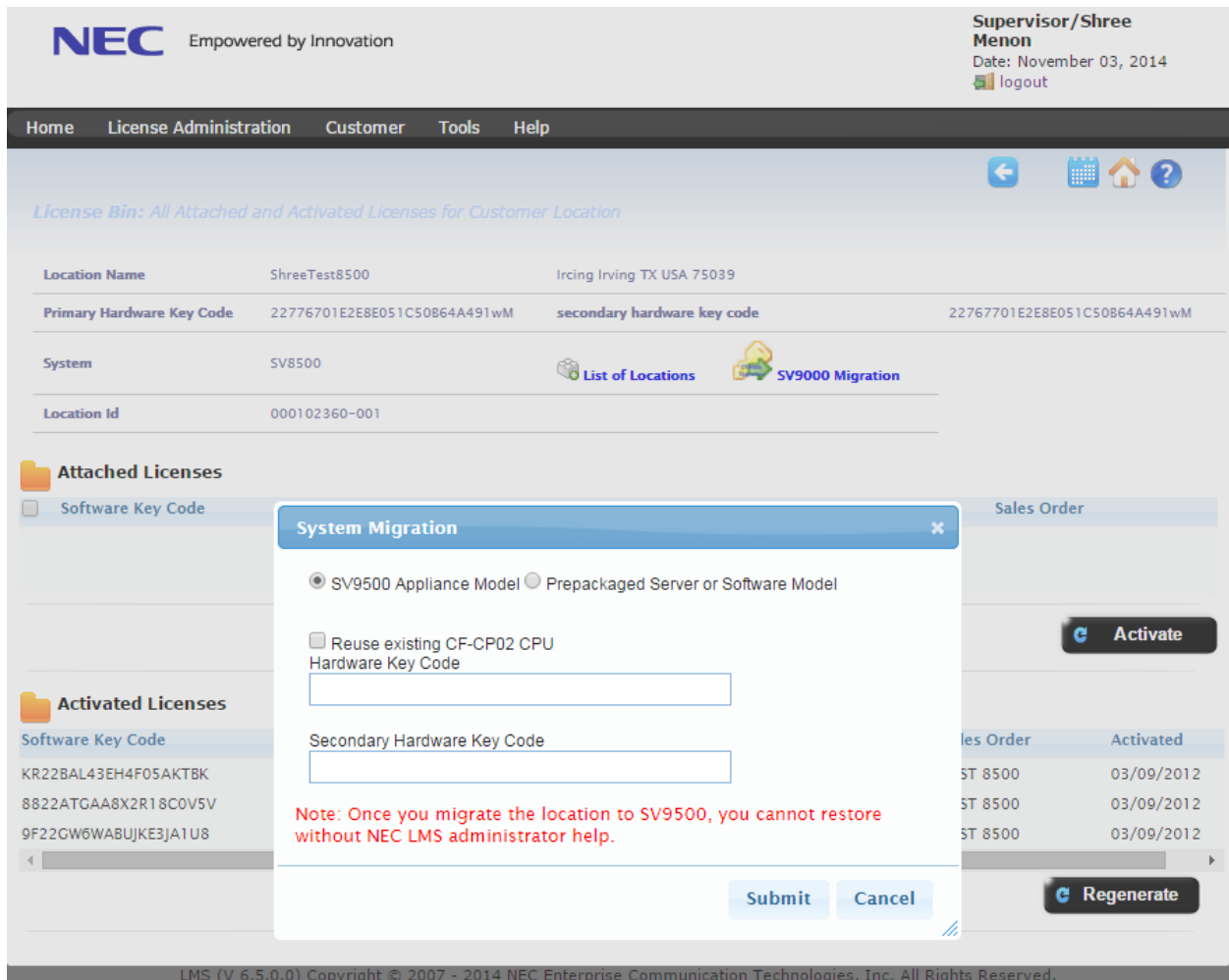
Software Key Code	Part Name(Number)	Qty	Purchase Order	Sales Order	Activated
KR22BAL43EH4F05AKTBK	85- GENERIC SW S7 (8510100)	1	TEST 8500	TEST 8500	03/09/2012
8822ATGAA8X2R18C0V5V	SV8500 384 PORT CAPACITY OPTION (8510999)	1	TEST 8500	TEST 8500	03/09/2012
9F22GW6WABUJKE3JA1U8	85-107 S4 MAIN SYSTEM (8510006)	1	TEST 8500	TEST 8500	03/09/2012

c Regenerate

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Figure 6

2. Upon clicking the migration icon  there will be a pop-up with 2 options as shown in Figure 7.



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Supervisor/Shree Menon
Date: November 03, 2014
logout

Home License Administration Customer Tools Help

License Bin: All Attached and Activated Licenses for Customer Location

Location Name: ShreeTest8500 Irching Irving TX USA 75039

Primary Hardware Key Code: 22776701E2E8E051C50864A491wM secondary hardware key code: 22767701E2E8E051C50864A491wM

System: SV8500 [List of Locations](#) [SV9000 Migration](#)

Location Id: 000102360-001

Attached Licenses

Software Key Code

Activated Licenses

Software Key Code	Sales Order	Activated
KR22BAL43EH4F05AKTBK	ST 8500	03/09/2012
8822ATGAA8X2R18COV5V	ST 8500	03/09/2012
9F22GW6WABUJKE3JA1U8	ST 8500	03/09/2012

System Migration

SV9500 Appliance Model Prepackaged Server or Software Model

Reuse existing CF-CP02 CPU

Hardware Key Code:

Secondary Hardware Key Code:

Note: Once you migrate the location to SV9500, you cannot restore without NEC LMS administrator help.

Submit Cancel Activate Regenerate

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Figure 7

3. The user will be prompted with two options. The first is the SV9500 Appliance Model and the second is the Prepacked Server or Software Model. Select an option and click on 'submit' to start the migration.
 - i. By selecting the SV9500 Appliance Model option, the user will need to enter information regarding how the hardware is to be migrated. There is an option to reuse the existing CP02 CPU. Hardware Key code information needs to be entered, if the existing CPU is being replaced (Figure 8).
 - a) If the checkbox for "Reuse existing CF-CP02 CPU" is checked, the LMS will automatically populate the hardware key code based on SV9500 Hardware. The user will not be able to edit the fields (Figure 8).

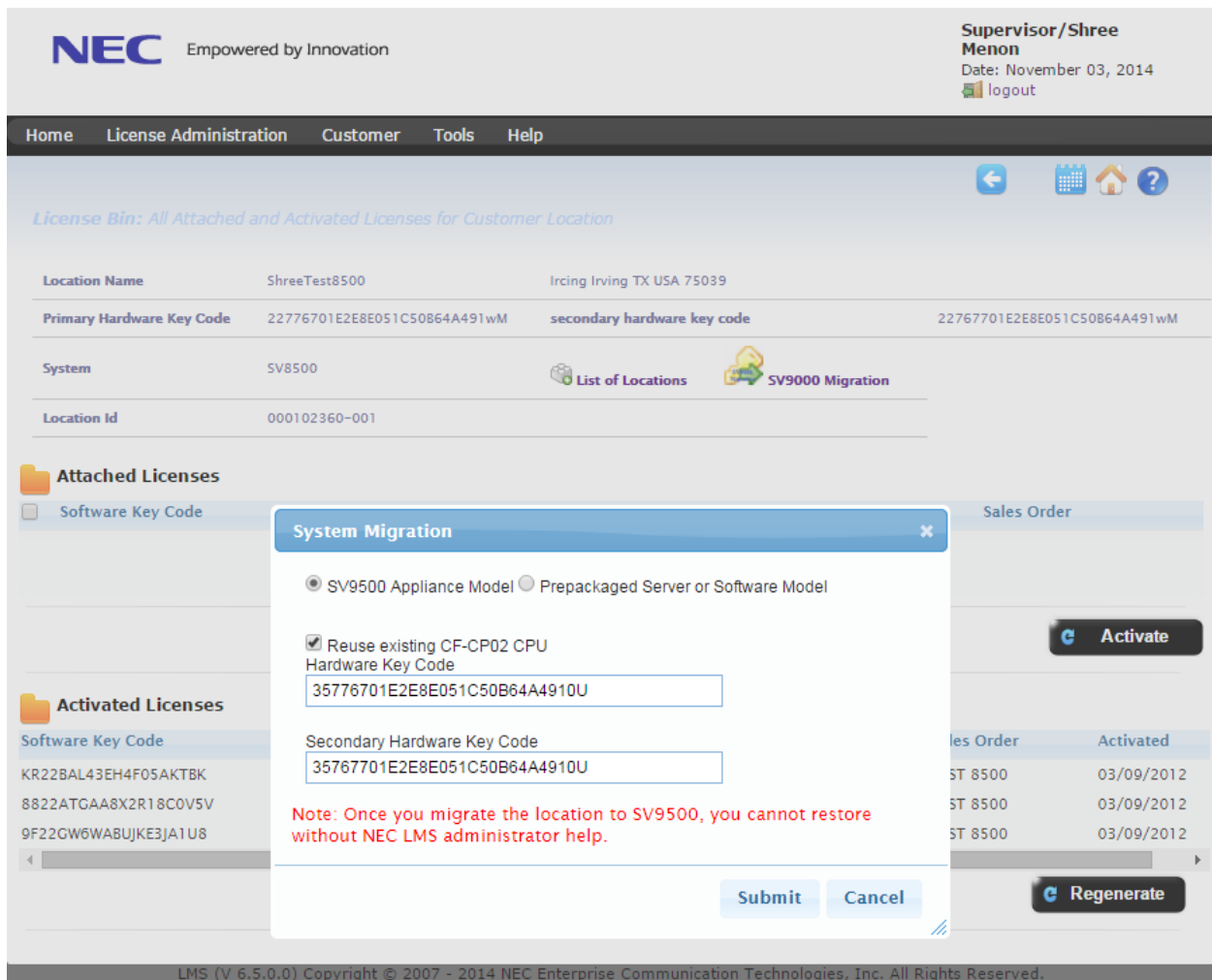


Figure 8

Note: If the existing system has single CPU, then the LMS will populate one HKC. If there are two CPUs the LMS will populate a secondary HKC as well.

- b) If the checkbox for “Reuse existing CF-CP02 CPU” is unchecked, the LMS requests the user to enter the SV9500 HKC that will replace the SV8500 HKC as shown in Figure 9.

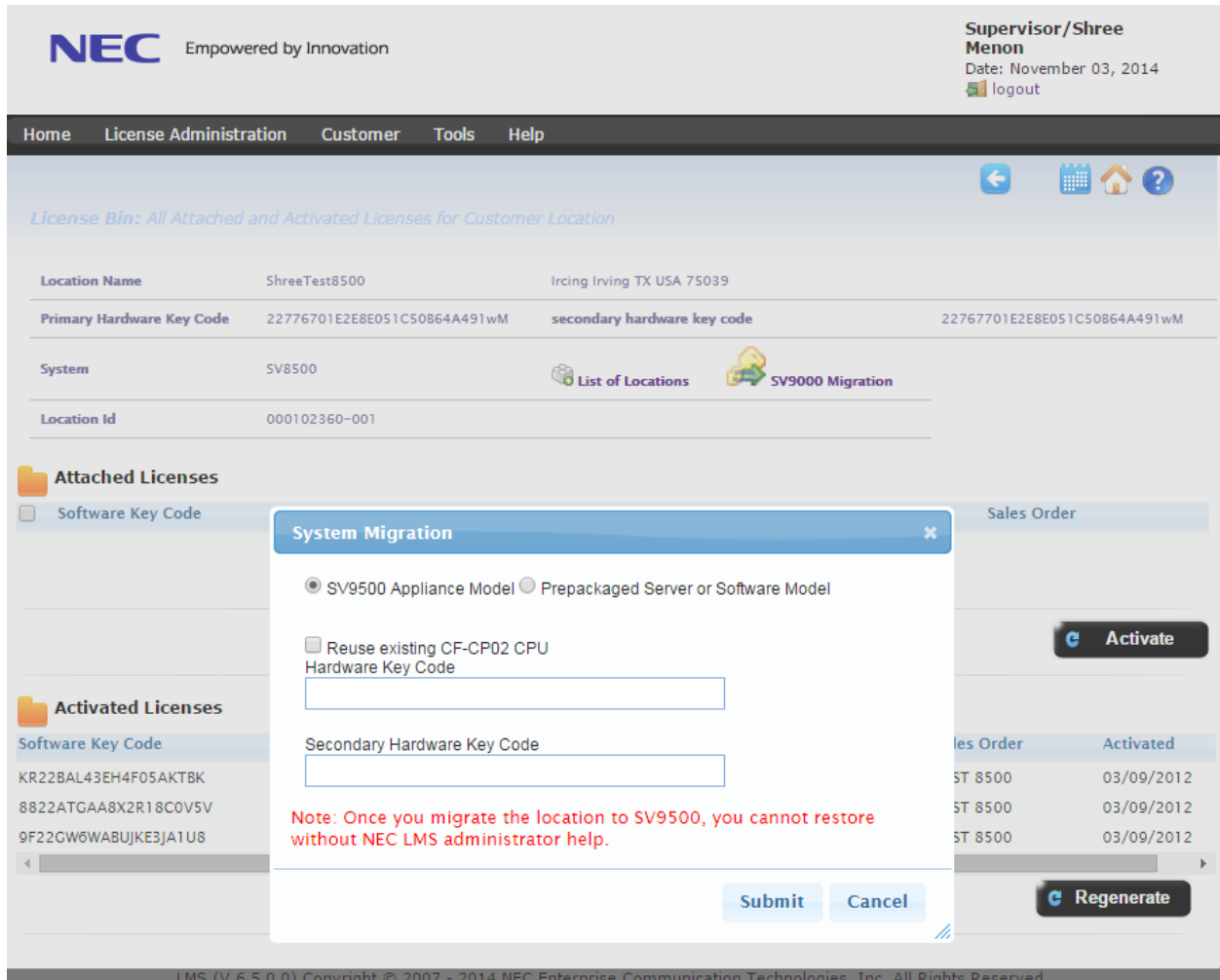


Figure 9

- ii. If the SV8500 location has one or more licenses attached while migrating, the existing location will display the message as shown in Figure 10. All licenses need to be detached before proceeding with migration.

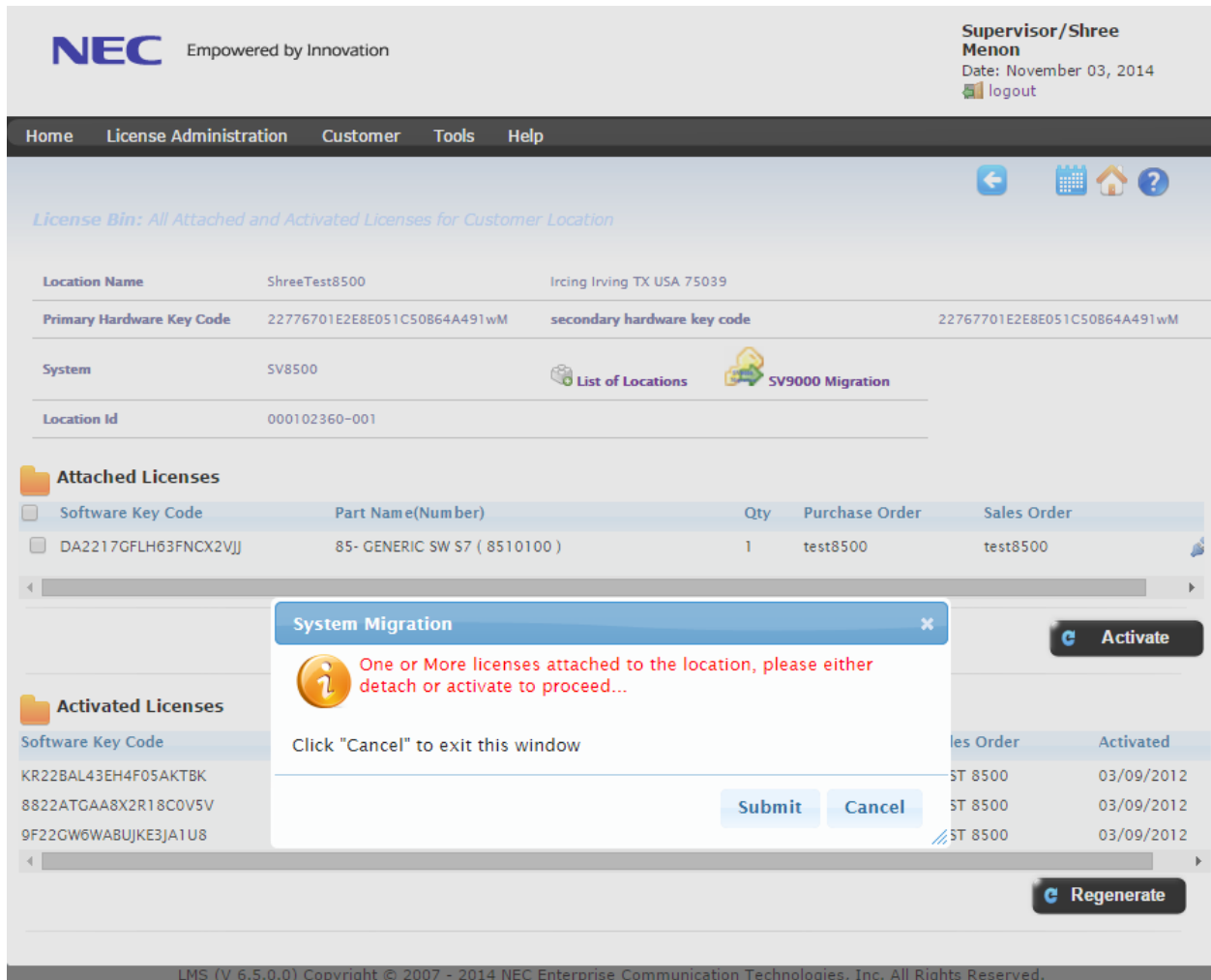


Figure 10

4. Upon clicking 'submit' the LMS prompts the user to confirm whether to proceed with migration as shown in Figure 11.

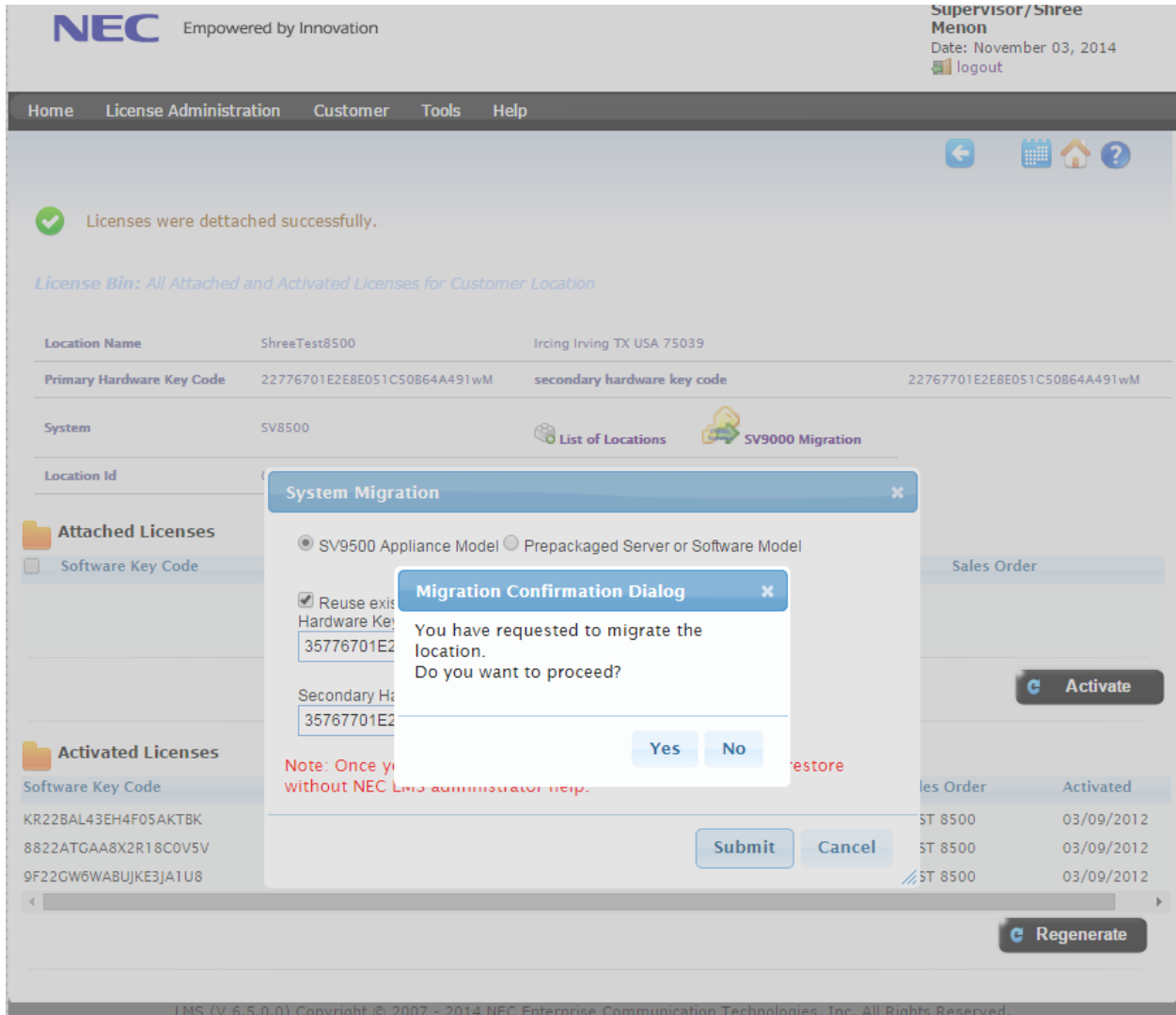


Figure 11

If the user clicks on 'Yes' then the LMS validates the HKC, and will perform the SV9500 Appliance Model.

If the user clicks on 'Yes' without entering the HKC, then the LMS prompts the user with the error message as shown in Figure 12.

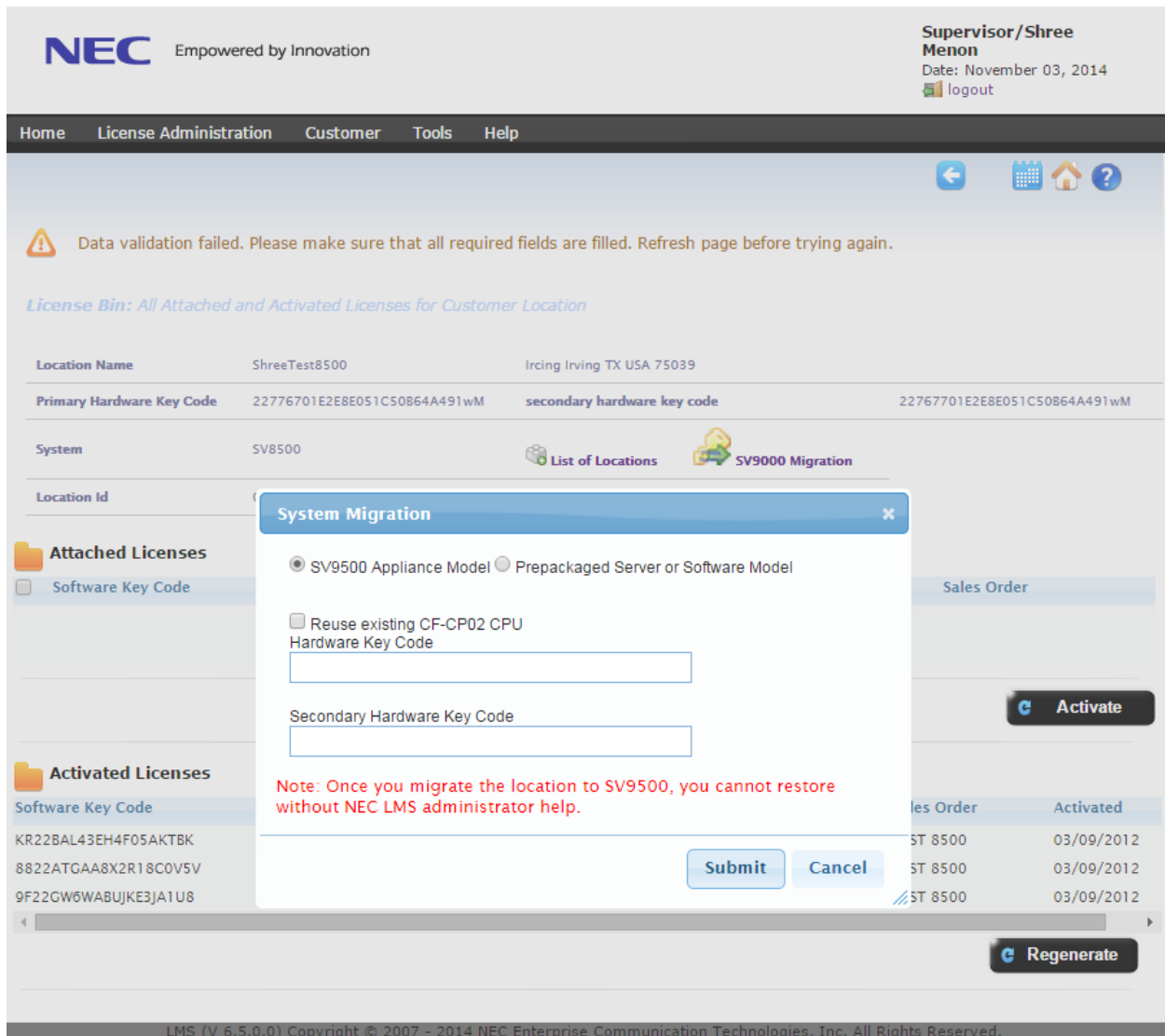


Figure 12

If the Hardware key code is invalid, then the LMS prompts the user with the error message as shown in Figure 13.

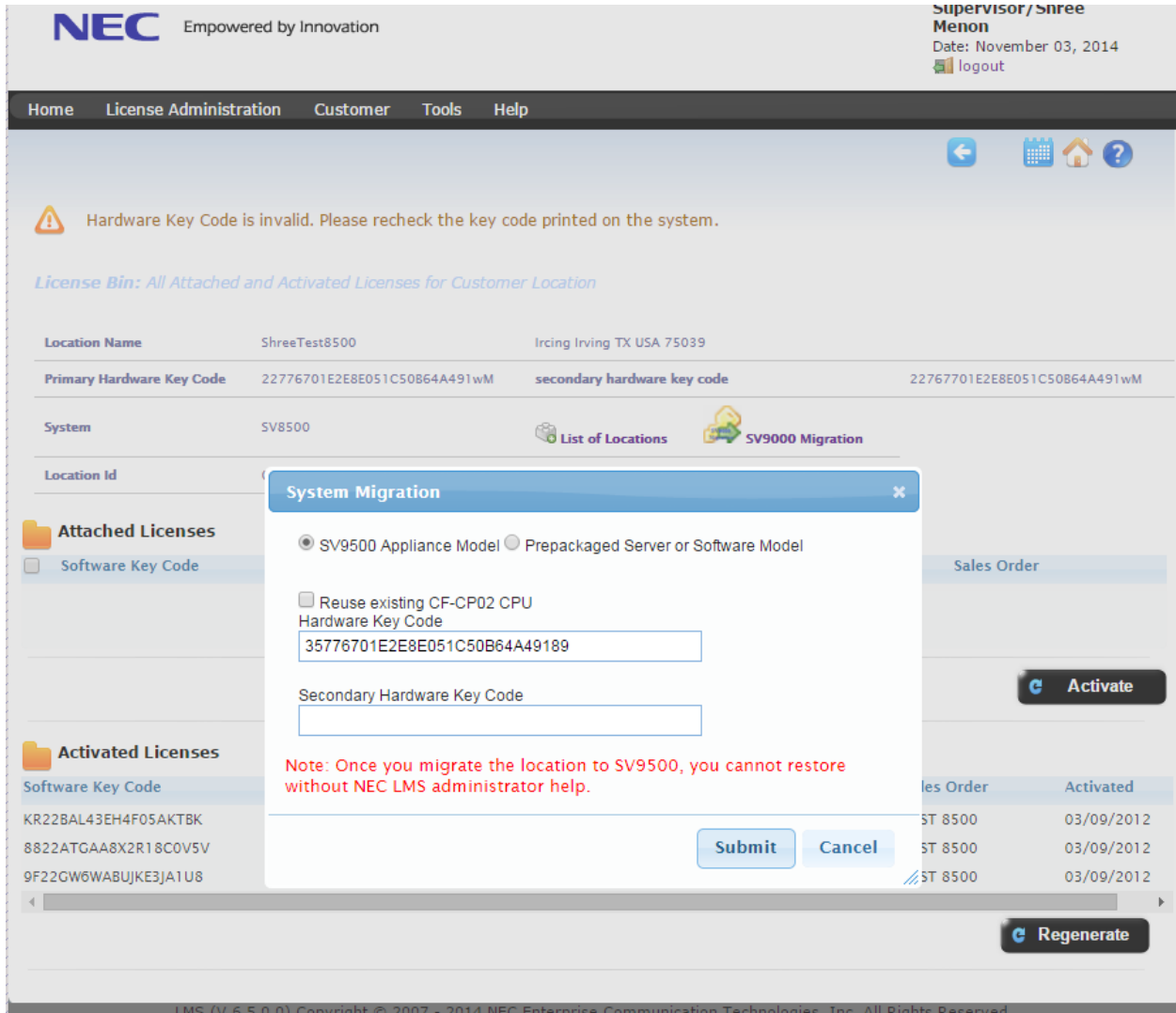


Figure 13

If the Hardware key code already exists in the LMS, then it prompts the user with the error message, as shown in Figure 14.

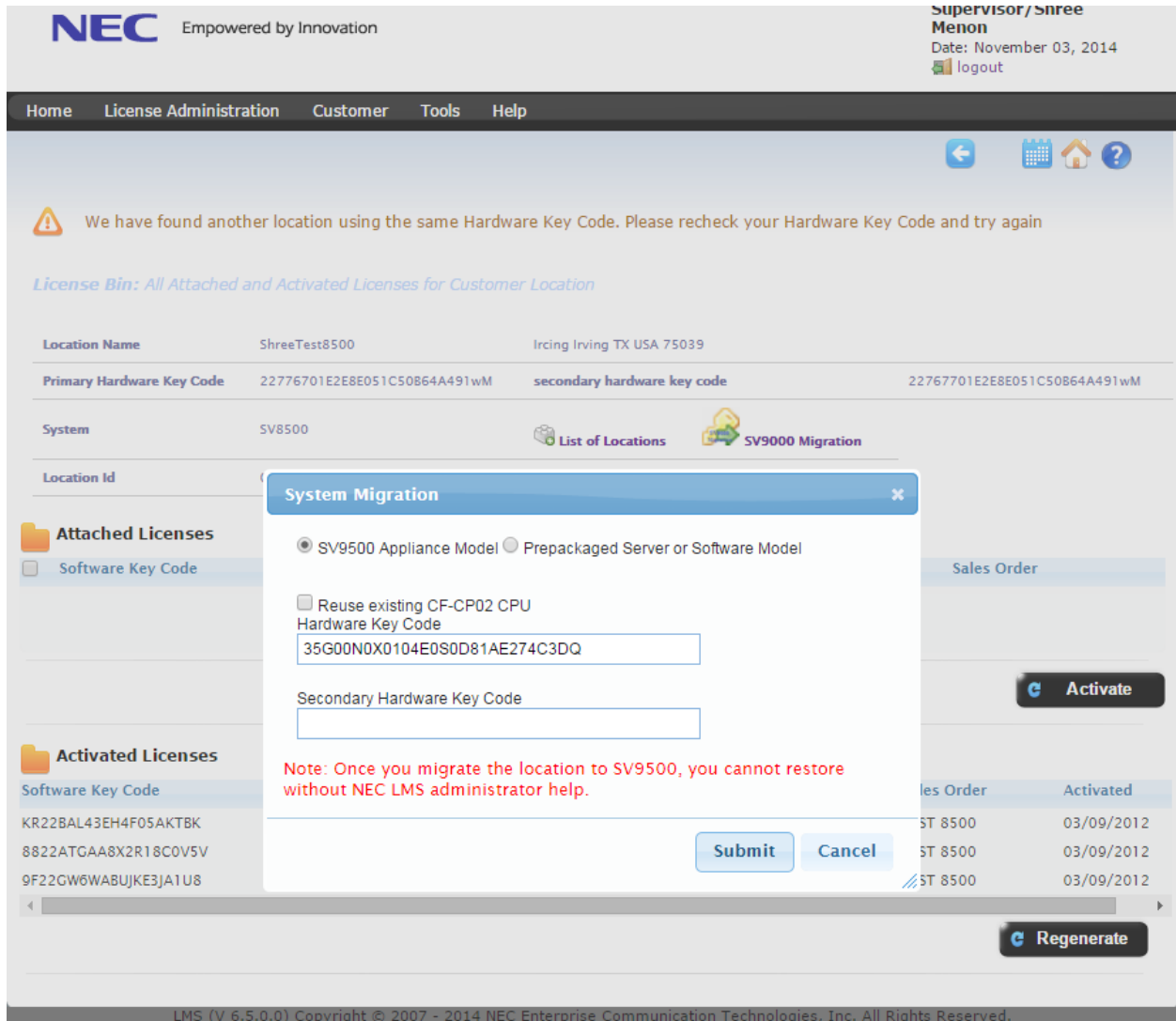


Figure 14

5. A confirmation will be provided to indicate the migration operation is completed.
6. After the migration has been successfully executed, the License information page will appear as shown in Figure 15.

Note: For Markets tied to EULA server, the customer will be sent new EULA information by the EULA portal for the 9000 series system.

The screenshot displays the NEC License Administration web interface. At the top left is the NEC logo with the tagline "Empowered by Innovation". At the top right, the user is identified as "Supervisor/Shree Menon" with a date of "July 31, 2014" and a "logout" link. A "SWA Status Active" indicator is also present. A navigation bar includes "Home", "License Administration", "Customer", "Tools", and "Help".

A green checkmark icon and the text "Migration Done Successfully!" are prominently displayed. Below this, a blue link reads "License Bin: All Attached and Activated Licenses for Customer Location".

The main content area shows details for a customer location:

Location Name	testtype4	679 Irving TX USA 75038
Primary Hardware Key Code	35CC56F2D42AF0C8180AC84259RM	
System	SV9500	List of Locations
Location Id		

Below the location details, there are two sections for license management:

- Attached Licenses:** A table with columns for Software Key Code, Part Name(Number), Qty, Purchase Order, and SalesOrder. An "Activate" button is located at the bottom right of this section.
- Activated Licenses:** A table with columns for Software Key Code, Part Name(Number), Qty, Purchase Order, SalesOrder, and Activated. A "Regenerate" button is located at the bottom right of this section.

At the very bottom of the page, a footer contains the text: "LMS (V 6.5.0.0) Copyright © 2007 - 2014 NEC Enterprise Communication Technologies, Inc. All Rights Reserved."

Figure 15

NOTE: If the option of Software Model (SV9500 Prepackaged Server or Software Model) is selected, the user will be prompted to enter the IP address of the new PBX. The system assumes there is a Virtual Server License available as this is a required license for conversion to Software model (Figure 16). Based on this information, the LMS creates a location and generates a Virtual Hardware Key Code.

NOTE: The “Virtual Server License” must be shipped to the location that is being migrated as part of the migration purchase order. If the “virtual server license” does not exist in the dealer’s license bin for this specific location, the user will not be able to continue with migration and will be provided with a message to indicate this status.

- a) If the Virtual server license is available in the SV8500 license bin to attach and activate on SV9500 location, then the LMS automatically populates the information as shown in Figure 16. Otherwise it shows a message which will request the user to ship the virtual server license to that location as shown in Figure 17.

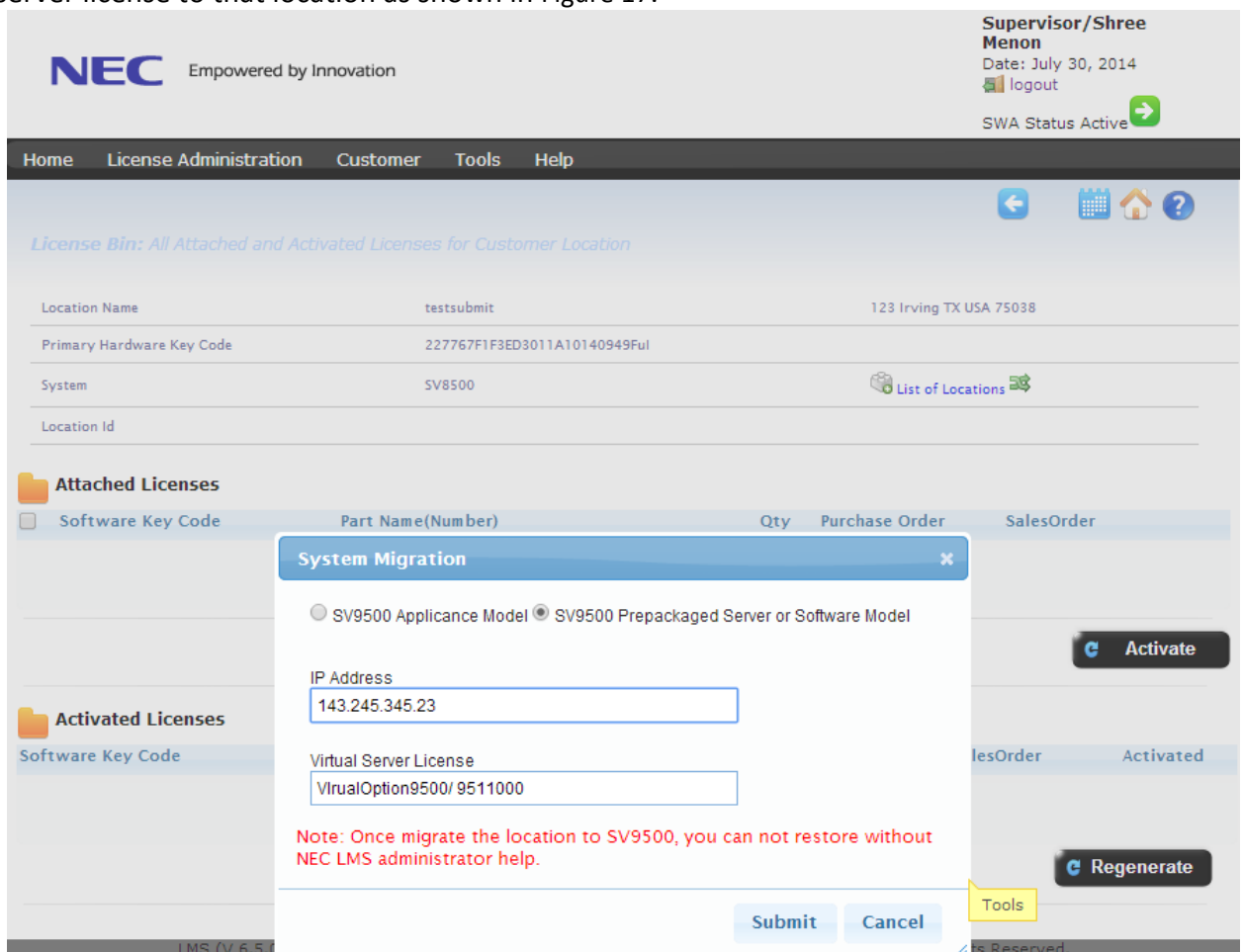


Figure 16

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Supervisor/Shree Menon
Date: November 03, 2014
logout

Home License Administration Customer Tools Help

Please ship the server license for this location to proceed...

License Bin: All Attached and Activated Licenses for Customer Location

Location Name	test85002	6535 Irving TX USA 75038
Primary Hardware Key Code	224C5F72323080465605D81458aA	
System	SV8500	List of Locations SV9000 Migration
Location Id		

Attached Licenses

- Software Key Code

Activated Licenses

- Software Key Code

System Migration

SV9500 Appliance Model Prepackaged Server or Software Model

SV9500 LAN1(ACT) IP Address

SV9500 Virtualization Option License (Purchase Order/ Part Number)

Note: Once you migrate the location to SV9500, you cannot restore without NEC LMS administrator help.

Submit Cancel

Activate

Regenerate

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Figure 17

Upon clicking 'submit' the LMS prompts the user for confirmation as shown in Figure 18.

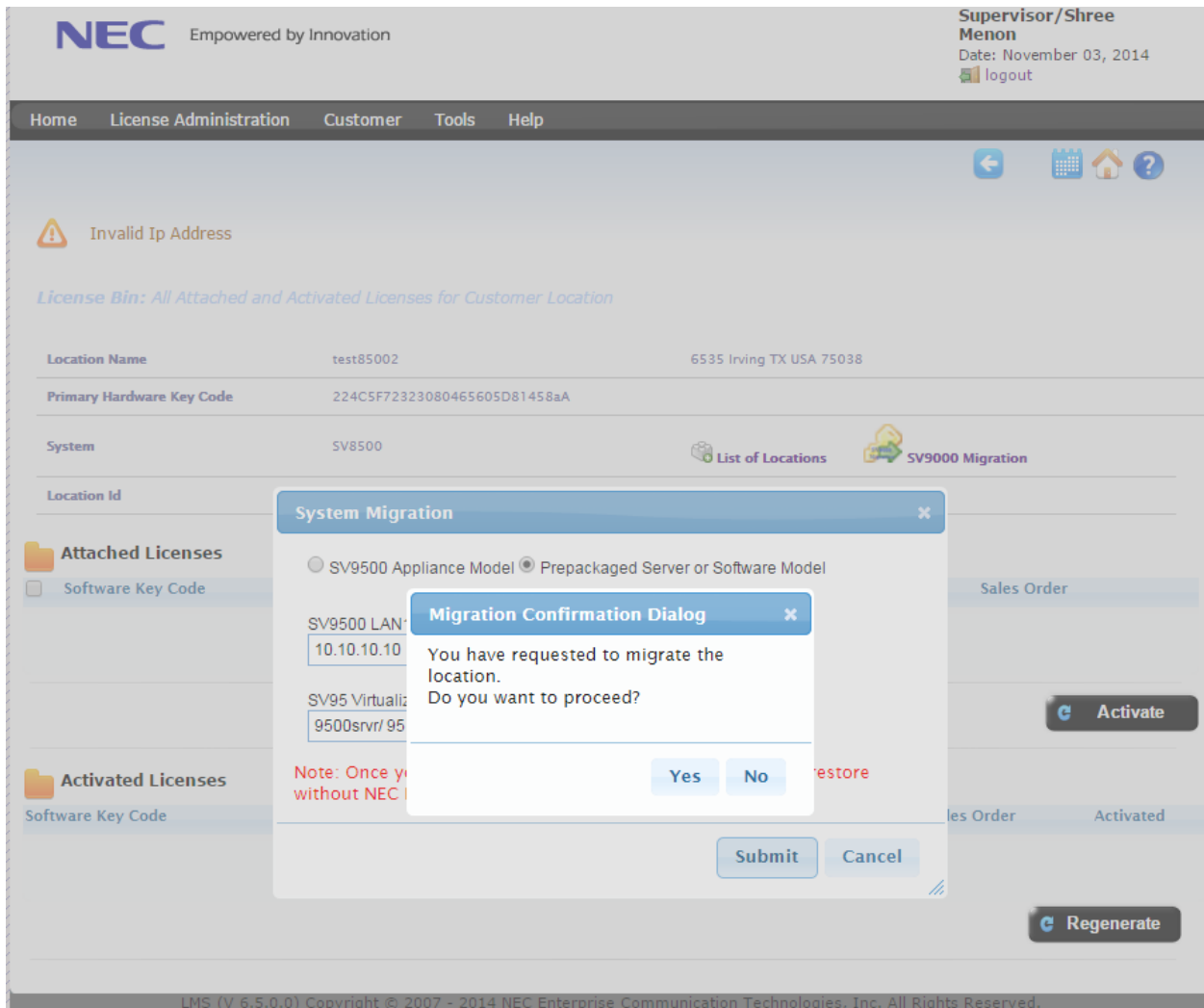


Figure 18

If the user selects 'Yes' in the confirmation box without entering the IP Address, then an error message is generated and displayed on top of the page, as shown in Figure 19.

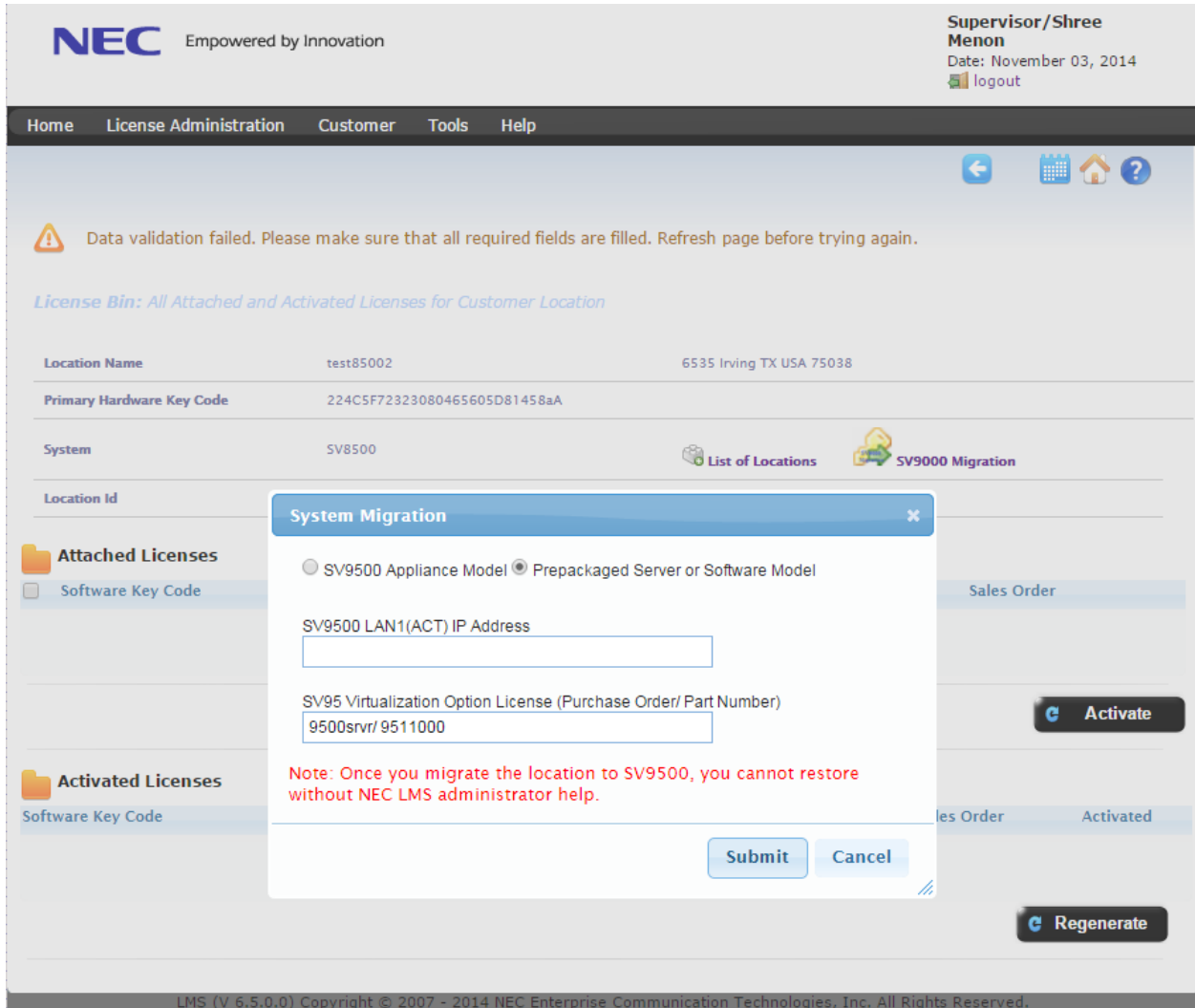


Figure 19

If the IP address is invalid, then the LMS prompts the user with the error message as shown in Figure 20.

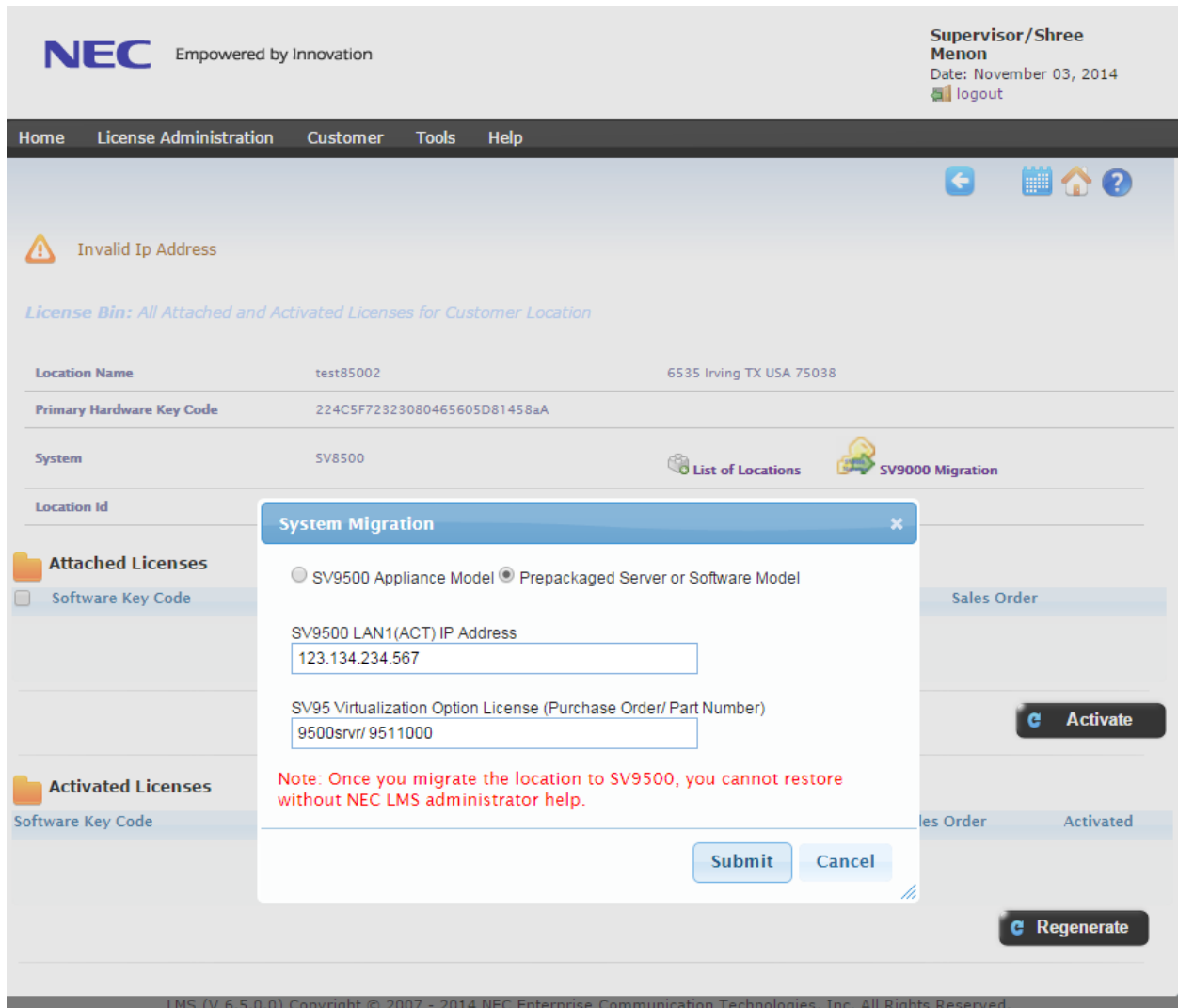


Figure 20

- If the user clicks on 'Yes' then the LMS will validate the HKC, and the migrated location of the SV9500 software model. This confirmation will be updated to the EULA Portal with a hardware change. After the confirmation, there will be a message of success at the top of the license page, as shown in Figure 21.

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Date: November 03, 2014
logout

Home License Administration Customer Tools Help

Migration done successfully

License Bin: All Attached and Activated Licenses for Customer Location

Location Name	test85002	6535 Irving TX USA 75038
Primary Hardware Key Code	35G00N0Y0106E050AA08A0A0200G	IP Address 10.10.10.10
System	SV9500	List of Locations
Location Id	000102573-006	

Attached Licenses

Software Key Code	Part Name(Number)	Qty	Purchase Order	Sales Order
Attached license may be activated once the EULA (end user license agreement) has been accepted. The waiting flag will clear and the activate button will be made available.				

EULA Status: Waiting on tammy.lovig@necam.com
Resend the EULA email notification to a different End user Email
tammy.lovig@necam.com
Update E-mail

Activated Licenses

Software Key Code	Part Name(Number)	Qty	Purchase Order	Sales Order	Activated
L635EHL3MB369W9XWV7	SV95 VIRTUALIZATION OPTION (9511000)	1	9500srvr	9500srvr	11/03/2014

Regenerate

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Figure 21

- The LMC location associated to the SV8500 will also be migrated as the SV9500 LMC Location. The licenses from the SV8500 will be locked to the old LMC location (same as Parent PBX Licenses) as shown in Figure 22.

The screenshot displays the NEC License Administration web interface. At the top left is the NEC logo with the tagline "Empowered by Innovation". At the top right, the user is identified as "Supervisor/Shree Menon" with a "logout" link and the date "November 03, 2014". A navigation bar includes "Home", "License Administration", "Customer", "Tools", and "Help".

The main content area shows details for a "License Bin" with the following information:


- Location Name:** test85002_LMC (6535 Irving TX USA 75038)
- Primary Hardware Key Code:** LM35G00N0Y0106ED50AA08A0A0200G
- System:** LMC (with a "List of Locations" link)
- Location Id:** 000102573-006

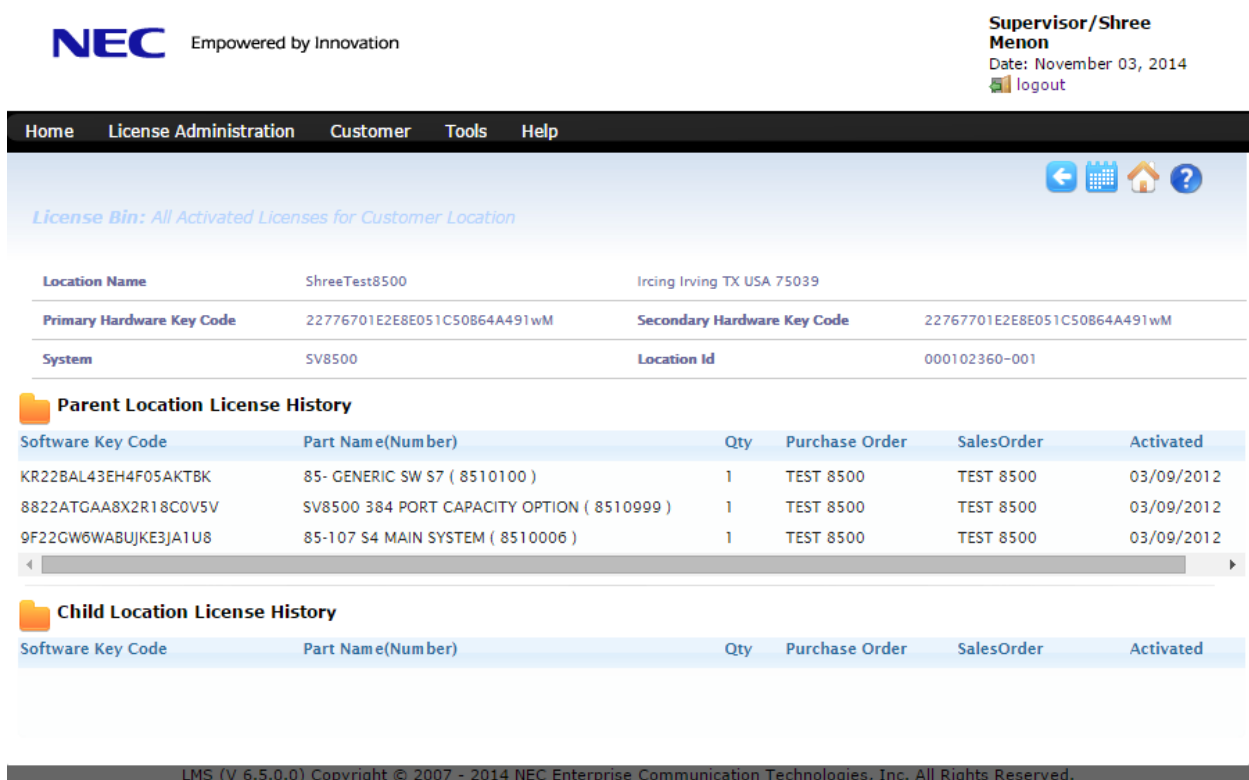
Below this, there are two sections for license management:

- Attached Licenses:** A table with columns for "Software Key Code", "Part Name(Num ber)", "Qty", "Purchase Order", and "Sales Order". An "Activate" button is located at the bottom right of this section.
- Activated Licenses:** A table with columns for "Software Key Code", "Part Name(Num ber)", "Qty", "Purchase Order", "Sales Order", and "Activated". A "Regenerate" button is located at the bottom right of this section.


The footer of the interface contains the text: "LMS (V 6.5.0.0) Copyright © 2007 - 2014 NEC Enterprise Communication Technologies, Inc. All Rights Reserved."

Figure 22

- Upon clicking on the history icon,  the user can see the history of SV8500 licenses as shown in Figure 23. However, the user cannot generate a license file.



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Supervisor/Shree Menon
Date: November 03, 2014
 logout

Home License Administration Customer Tools Help

License Bin: All Activated Licenses for Customer Location

Location Name	ShreeTest8500	Irving Irving TX USA 75039
Primary Hardware Key Code	22776701E2E8E051C50864A491wM	Secondary Hardware Key Code 22767701E2E8E051C50864A491wM
System	SV8500	Location Id 000102360-001

Parent Location License History


Software Key Code	Part Name(Number)	Qty	Purchase Order	SalesOrder	Activated
KR22BAL43EH4F05AKTBK	85- GENERIC SW S7 (8510100)	1	TEST 8500	TEST 8500	03/09/2012
8822ATGAA8X2R18C0V5V	SV8500 384 PORT CAPACITY OPTION (8510999)	1	TEST 8500	TEST 8500	03/09/2012
9F22GW6WABUJKE3JA1U8	85-107 S4 MAIN SYSTEM (8510006)	1	TEST 8500	TEST 8500	03/09/2012

Child Location License History

Software Key Code	Part Name(Number)	Qty	Purchase Order	SalesOrder	Activated
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Figure 23

- To return back to the previous license information page, the user will need to click on the blue arrow icon .

7. Conditions

- After Migrating the SV8500 location to SV9500 Type1/Type2, then there will be no licenses left on the location. All previously activated (historical) licenses will remain with the SV8500 HKC. New licenses need to be added to the SV9500 location.
- The LMC location (Application) of the SV8500 will migrate to the SV9500 LMC location. All licenses attached to LMC will not be migrating to the new LMC location. The LMC location will also be 'frozen' and displayed for historical purposes only (similar to the SV8500 location licenses).
- SRMGC locations associated to the SV8500 will have their locations 'frozen' but no new location will be created. Any SRMGC locations for migrated systems need to be created as required by Dealer User.
- UMG locations will not be able to migrate under this specification.