

# Testing the Implementation of supporting Service Apps and the Noah Alert Dashboard by a Business System using Noah Engine

These test steps will be placed in the certification test documentation in the near future. The steps can be followed to help ensure proper development

## A HIMSA Tools Needed for the Conformance Test

- **Service Sample App.**  
 This is used to test that the Noah Dashboard project and Service Apps have been implemented correctly into the business system.  
<https://www.himsa.com/en-us/members/development/noah4mobiledevelopment.aspx>

No.	Test subject	Tested in
	<b>Mandatory</b>	
1.	<p>The Noah Alert Dashboard and Service Apps has been implemented into the business system under test correctly. These test steps verify the following:</p> <ol style="list-style-type: none"> <li>1.) Discovery of the business systems implementation of Noah Mobile.</li> <li>2.) The registration of the Service App.</li> <li>3.) The process of granting access in the business system for the Service App.</li> <li>4.) The sending of a notification with an embedded action from a Service App.</li> <li>5.) The receiving and notification of the alert by the business system under test.</li> <li>6.) Verification in the Noah Alert Dashboard that the alert is displayed correctly in the “Alert Details” GUI.</li> <li>7.) Assigning and prioritizing the notification.</li> <li>8.) Verifying in the “Session List” that the correct notification actions are displayed.</li> <li>9.) Removing the notifications from the Alert Dashboard.</li> <li>10.) Verifying that the correct notification actions are in the patient’s session list.</li> </ol>	

No.	Test subject	Tested in
	11.) Verify that when the notification action is selected in the session list the correct module is shown in the “How do you want to open this notification” GUI. 12.) Deletion of the actions in the patient’s session list.	

**Test Steps:**

Preconditions Steps	Description	Expected Behavior	Test Result
1.	Noah Mobile has been enabled over both the internet and over the Internet. It has been pointed to the production environment.	Noah Mobile is enabled and pointing to the production environment.	
2.	Create a new patient in the business system under test for these test steps.	A new patient has been created.  Please enter in the patient name and patientid below.  <u>Patient name:</u>  <u>PatientID/Patient Number:</u>	

Step	Description	Expected Behavior	Test Result
1.	Launch the Service Sample App.	Service Sample App launches.	
2.	Select Production under Environment.	Production is the displayed environment.	
3.	Select the Noah Mobile alias in the “Remote Hosts” drop down.	The correct Noah Mobile Alias is displayed.	

4.	Select the "#1 Discover" button.	The Service Sample App discovers the Noah Mobile implemented in the business system under test.	
5.	Now select the "#2 Authorize" button.	The Service Sample App is now authorized.	
6.	Select "#3 Register app" button.	A message box will appear that says, "#1 Manually active service AppSample via Noah Console => App List Configure. Are you done?"  You can select "Yes" to close this message box when done.	
7.	In the Business System under test go to the Noah mobile configuration screen and select the app list.	The Noah Mobile Configuration GUI appears.	
8.	Select the "app list" tab.	The app list screen is the active screen.	
9.	Select the "Configure" button by the "ServiceSampleApp" entry in the list of Apps.	The App settings GUI appears.	
10.	Now select "Activate" and "Save."	Access for the Service Sample App has been granted.  In the App list you will see the word "Access" has appeared in the "Access" column for the ServiceSampleApp entry.	
11.	Go back to the Service Sample App and select "#4 Subscribe for Events" button.	The Service Sample App will now receive events from the business system under test.	

12.	Go to the business system under test, select a patient record.	A patient record has been selected in the business system under test.	
13.	Launch the Noah 4 Audiogram module and create an audiogram and save it. Close the audiogram module.	A new audiogram has been created.	
14.	Go to the Service Sample App and verify that the event for the newly created audiogram has appeared.	The event for the audiogram has appeared in the Service Sample App's event notification field.	
15.	Select the "Make notification" button in the Service Sample App.	The "Make Notification" screen appears.	
16.	In the "Category" drop down leave the default.	"Hearing performance" is the value displayed in the "Category" dropdown.	
17.	There is a text box under the "Create Alert" check box. Leave the default entry, "Problems hearing the TV."	"Problems hearing the TV" is displayed in the text box.	
18.	Select the "Add" button for the "Group" field	A guid will appear in this box.	
19.	Check the boxes for "Create alert" and "Create notification actions."	Both the "Create alert" and "Create notification actions" boxes must be checked to create an alert in the Dashboard and an action in the patient's session list.	
20.	Click the "Embed" button under "Action." In the "Action" field, leave the Action Type as journal entry. Type in "App Journal Entry Test" for the description. Select the "Embed" button.	This will create an embedded journal action in the alert.  *Note: The text in the body of the journal action is hard coded in the Sample Service app. You cannot change this.	
21.	Enter in a PatientID for a patient that exists in your database in the "PatientID" field.	A valid patientid for a patient that exists in the database of the business system under test must be used.	

	<p><b><u>This patient cannot be the active patient in the business system. Please close this patient record and select another patient record.</u></b></p>	<p>Please write the patient name that is currently selected in the business system under test, the active patient. This is not the patient record that will be used for these test steps.</p> <p>Patient name:</p>	
22.	Select the Noah Mobile Alias used in step 3 in the drop down for "Recipient server."	The Noah Mobile Alias appears in this dropdown.	
23.	Select the "Send" button.	The notification has been sent.	
24.	<p>In the business system under test, look at the "Dashboard" icon and verify that there is a red circle with the number 1 in it.</p> <p>It may take a few seconds for the notification to be received.</p>	There is a new alert in the "Dashboard."	
25.	Select the "Dashboard" icon to open the "Alert Dashboard" window.	The "Alert Dashboard" GUI opens.	
26.	Verify that you can see the new alert under the "Sort by" and "from" query filters.	The notification that you sent with the Service Sample App appears in the notification list.	
27.	Select the notification if it isn't selected and make sure the "Alert Details" button is selected.	The notification has been selected.	
28.	Verify the correct patient name appears in the "patient field".	The correct patient name appears.	
29.	The "Noah User" should say "Unassigned." Select the "Assign" button. When the Noah user list appears, select a user	A user has been assigned.	

	in the list and select the “OK” button. A user is assigned.		
30.	“Priority” is a grayed-out flag. Select the flag to turn the flag red. Selecting the flag gives the notification a priority.	The priority for this notification has been set.	
31.	“Category” should say “Hearing Performance.”	The correct “Category” that was set by the Sample Service App is displayed.	
32.	“Received” should have today’s date of when you sent the notification from the Sample Service App.  **Note: The hour in the time stamp of the “Received” field is wrong. This is an open issue.	The correct date and time are displayed.	
33.	In the “Description,” the text should say “Problems hearing the TV.”	The correct “Description” that was set by the Sample Service App is displayed.	
34.	Select the Journal module icon. The Journal module will launch. The subject should say “App Journal Entry Test.”	The correct subject that was entered in the “Service Sample App” is displayed.  Note: The text in the body of the journal action was generated by the Sample Service App.	
35.	Close the Journal module.	The Journal app closes.	
36.	Now select the “Session List” button at the top of the “Alert Dashboard” window.	In the session list you will see an action for “Hearing Performance – Problems...” and a second action, a Journal action that has the title, “App Journal Entry Test.”	

37.	Select the "Alert Details" button to switch back to the "Alert Details" screen.	The "Alert Details" page is the active screen.	
38.	Select the alert in the alert list.	The alert is selected.	
39.	Now select the "Remove Alert" button and select "Yes"	The Alert has been deleted from the dashboard.	
40.	Close the Alert Dashboard.	The dashboard closes.	
41.	In the business system under test select the patient record that was used for this testing.	The patient that contains dashboard alert actions in its session list is the active patient.	
42.	Verify that there is a "Dashboard Alert" action in the session list with a journal action.	The actions created by the "Sample Service App" are displayed in the patient session list in the business system under test.	
43.	Select the "Dashboard Alert" action in the patients' session list.	The "How do you want to open this notification" window appears and there is an icon for the Journal module in this window.	
44.	Select the Journal module icon.	The Journal module opens with "App Journal Entry Test." for the subject and the hard-coded text in the body of the journal.	
45.	Close Journal module.	The Journal module closes.	