Acceptance Test Plan

for

SIP Trunking

Introduction

This test plan has been written in order to define and test SIP Trunking for your organization

Test Case - 1	
Verify call from user (A) trunk to user (B)	**Successful registration**
Pass/Fail	
Notes	

Test Case – 2	
Verify call from trunk user (B) to internal user (A)	**Successful registration**
Pass/Fail	
Notes	

Test Case – 3	
Call and Hold:	1. **Make a Call from A to B and verify two-way** 2. **User A puts the Call on hold** 3. **User A resumes the call** 4. **Verify two way media**
Pass/Fail	
Notes	• **Repeat the test with the call being put on hold by the trunk user** • **Repeat the test for other SIP trunk servers/connections**

Test Case – 4	
Call Conference	1. **Make a Call from A to B verify two-way media** 2. **A conferences in D. Verify Media between all users**
Pass/Fail	
Notes	• **Repeat the test case for other combinations of conference call** • **Repeat the test for other SIP trunk servers/connections**

Test Case – 5	
Trunk if DTMF tones are generated from internal user to trunk user	**DTMF -1**
Pass/Fail	
Notes	• **Repeat the test for other SIP trunk servers/connections**

Test Case – 6	
Verify DTMF tones are generated from internal user to trunk user	**DTMF II**
Pass/Fail	
Notes	• **Repeat the test for other SIP trunk servers/connections**

Test Case – 7	
Verify in DTMF tones are generated from trunk user to internal user	**Least Cost Routing: Choose between two different trunks based on dial pattern – Eg 972-XXX-XXXX or 214-XXX-XXX should be delivered to Trunk #1, while calls to all other area codes should be delivered to Trunk #2**
Pass/Fail	
Notes	• **Repeat the test for other SIP trunk servers/connections**

Test Case – 8	
Verify two-way media	**Heartbeat Mechanism:** **Enable Heartbeats from to Trunk server. If heartbeat fails, will try to reach alternative server, as configured.**
Pass/Fail	
Notes	

Test Case - 9	
Call transfer	**Call setup successful between A and B.** **Media path verified** **B transfers the call to C.** **Media path verified between A and C** **B drops out of the call** **Call teardown successful**
Pass/Fail	
Notes	

Test Case - 10	
Attended (Consultative) Call Transfer	Make a call from B to A. A picks up the call. Verify two way media. A transfers the call over to D
Pass/Fail	
Notes	• **Repeat the test case for other combinations of transfer call**

Test Case - 11	
Unattended (Blind) Call Transfer:	Make a Call from B to A. A transfers the call to D without answering the call. After transfer is complete, verify if two way media is established.
Pass/Fail	
Notes	• **Repeat the test case for other combinations of transfer call**