

360AP CISCO MPP Broadworks Provisioning

Test Plan Name: **CiscoMPP_Broadworks_TestCases**

Introduction

- This test plan pertains to Cisco Broadworks Provisioning testing of Broadworks calling, with test calls conducted between Cisco MPP phones utilizing the Tekvizion Automation Platform. To use this test plan effectively, the following steps must be followed:

Prerequisites:

- The Test Plan Required a minimum of **4 MPP phones and Broadworks Server**.
- The minimum software version on the MPP phones for use with the 360 Automation Platform is **11.3.1 and higher**.
- “**Dial Plan**” should be configured in MPP phone as below.
 - ⇒ (*xx/[3469]11/0/00/[2-9]xxxxxx/1xxx[2-9]xxxxxxS0/xxxxxxxxxxxxx.)
 - ⇒ Login to MPP phone-> Admin-> Advanced-> Voice-> Ext1 -> Dial Plan.
- “**Auto Answer**” should be disabled for all the respective MPP phones.
- **WebSocket connection** should be established between **tap and MPP phone**. (This applies for all available phones. Refer “**360 Automation Platform Prerequisites Document -> Section No. 2.Prerequisites on MPP -> Pg No.2**”)
 - i. Access the phone Web UI: /admin/advanced.
 - ii. Navigate to Voice-> Phone-> WebSocket API fields a. Configure the Control Server URL to: ws://:80/onPOINTLink/sockserver b. Allowed APIs: .*
 - iii. Upon completing the aforementioned configuration, the respective MPP phones should be displayed in "Phone Manager" under "Unmanaged."
- The Call Servers screen provides a count of all the instances of the call servers configured and list the following details *against each*: (Admin Panel -> Call Servers, Refer **360 Automation Platform User Guide Section No. 10.1 Call Servers**)
 - i. Server Name
 - ii. Vendor
 - iii. Model
 - iv. IP Address

- v. *Relay Name*
- vi. *Server Port*
- vii. *Protocol*
- viii. *Status*
- ix. *Option to perform a Sync and Status of the last Sync action and when it was last updated.*

- Adding the Call Servers to the TAP.
 - i. *Click the 'New' link.*
 - ii. *Add a 'Server Name'.*
 - iii. *Select the 'Vendor' from the dropdown (currently BroadWorks).*
 - iv. *Choose the 'Model', type of Call server depending on the vendor selected (currently only the*
 - v. *APP_Server is supported).*
- **Feature Access Codes** should work for all the MPP phones to test the features below.
 - i. *Call Park (*68) and Retrieve (*88).*
 - ii. *Call Forward Always (Activate -*72, Deactivate-*73)*
 - iii. *Call Forward Busy (Activate -*90, Deactivate-*91)*
 - iv. *Call Forward NoAnswer (Activate -*92, Deactivate-*93)*
 - v. *Redial (*66).*
 - vi. *Return (*69).*
 - vii. *Cancel Call Waiting (*70).*
 - viii. *Do not disturb (Activate -*78, Deactivate-*79).*
 - ix. *Call Pickup (*98).*
- **Call Pickup** should be configured as below.
 - i. *In BWKS Navigate to Enterprise/Service provider user group*
 - ii. *Services >> call pickup >> Add >> Group Name>> Search User >> Add >> ok.*
 - iii. *Assign the Call pickup service to variable phone A and B as per the test Plan.*

Broadworks_Services:

- In accordance with the **Test Plan**, the following BroadWorks services must be enabled for the corresponding Cisco MPP phone variables in order to conduct comprehensive testing.

Phone Variables	BWK Services
DUT	<ol style="list-style-type: none"> 1. Calling Name Delivery 2. Calling Number Delivery 3. Three-Way Call 4. Call Waiting 5. Call Transfer 6. Call Forwarding Busy 7. Call Forwarding Not Reachable 8. Do Not Disturb 9. Anonymous Call Rejection. 10. Intercept user.

	11. Speed Dial 100. 12. Speed Dial 8. 13. Push to talk. 14. Simultaneous ring. 15. Customer Ringback User. 16. Authentication. 17. Priority Alert. 18. Alternate Numbers.
A	1. Calling Name Delivery 2. Calling Number Delivery 3. Three-Way Call 4. Call Waiting 5. Call Transfer 6. Call Return 7. Call Pickup. 8. Speed Dial 100. 9. Speed Dial 8. 10.
B	1. Calling Name Delivery 2. Calling Number Delivery 3. Three-Way Call 4. Call Waiting 5. Call Pickup
C	1. Calling Name Delivery 2. Calling Number Delivery 3. Call Waiting.

Broadworks Group Level Services:

- In accordance with the Test Plan,
 1. **Identity/Device Profiles:** It should be configured for the Dut in Broadworks portal (This is for Codec supported test cases).
 2. **Broadworks Anywhere:** A call director number should be configured.
 3. **Group Intercept:** It should be added to the Group Services.

Recommendations for Test Cases:

- In accordance with the Test Plan, the following details must be hard-coded for the corresponding test cases to ensure comprehensive testing.

Test Case ID	Hard Code Value Details
tekV-Bwk-Ft-MPP-001	To initiate the call from DUT, the auto attendant number should be assigned to line number 4 for this test case, an Auto Attendant (AA) number must be provisioned in BroadWorks. The same AA number must be provisioned in line number 4 for the test case to be successful. Currently, the number in line 8 is '9765'.

tekV-Bwk-Ft-MPP-003	<p>To initiate the call from B, the auto attendant number should be assigned to line number 8.</p> <p>For this test case, an Auto Attendant (AA) number must be provisioned in BroadWorks. The same AA number must be provisioned in line number 8 for the test case to be successful. Currently, the number in line 8 is '9765'.</p>
tekV-Bwk-Ft-MPP-009	<p>For this test case, a Speed Dial Code number must be Provided in Line Number 4. The same Speed Dial Code number must be provisioned in line number 6 for the test case to be successful. Currently, the Speed Dial Code number in line 2 is '2'.</p>
tekV-Bwk-Ft-MPP-010	<p>For this test case, a Speed Dial Code number must be Provided in Line Number 6. The same Speed Dial Code number must be provisioned in line number 8 for the test case to be successful. Currently, the Speed Dial Code number in line 8 is '0'.</p>
tekV-Bwk-Ft-MPP-011	<p>For this test case, a Call Director number must be provisioned in BroadWorks. The same Call Director number must be provisioned in line number 10 for the test case to be successful. Currently, the number in line 10 is '5100'.</p>
tekV-Bwk-Authentication-MPP-013	<p>For this test case, an username and Password must be provisioned in Line number 8. The same Credentials must be provisioned in line number 10 and 12 for the test case to be successful. Currently, the Username in line 10 is 'mpptest' and password in line 12 is 'Tekv@123456'.</p>
tekV-Bwk-Authentication-MPP-014	<p>For this test case, an username and Password must be provisioned in Line number 8. The same Credentials must be provisioned in line number 10 and 12 for the test case to be successful. Currently, the Username in line 10 is 'mpptest' and password in line 12 is 'Tekv@123456'.</p>
tekV-Bwk-Authentication-MPP-015	<p>For this test case, an username and Password must be provisioned in Line number 8. The same Credentials must be provisioned in line number 10 and 12 for the test case to be successful. Currently, the Username in line 10 is 'mpptest' and password in line 12 is 'Tekv@123456'.</p>