| Test Case | Description | Expected Result | Pass/ Fail | Comments |
|---|---|---|---|---|
| **1.1 Basic Call Scenarios** | | | | |
| **Station to Station Calls** | | | | |
| 1.1.1 | DUT to DUT, originator releases call | Two-way voice path, call released properly | Pass | |
| 1.1.2 | DUT to DUT, originator abandons call | Terminator stops ringing, originator released properly | Pass | |
| 1.1.3 | DUT to DUT, terminator releases | Two-way voice path, call released properly | Pass | |
| 1.1.4 | DUT to DUT, terminator busy | Busy tone heard at originator | Pass | Call Waiting Disabled |
| 1.1.5 | DUT to DUT, unanswered call | Ringing at terminator, ringback at originator, originator released properly | Pass | |
| 1.1.6 | DUT, call to unknown number | Treatment heard at originator, originator released properly | Pass | |
| 1.1.7 | DUT to CSP, originator releases call | Two-way voice path, call released properly | Pass | |
| 1.1.8 | DUT to CSP, terminator releases call | Two-way voice path, call released properly | Pass | |
| 1.1.9 | CSP to DUT, originator abandons call | Terminator stops ringing, originator released properly | Pass | |
| 1.1.10 | CSP to DUT, terminator releases | Two-way voice path, call released properly | Pass | |
| 1.1.11 | DUT to CSP, terminator busy | Busy tone heard at originator | Pass | Call Waiting Disabled |
| 1.1.12 | DUT to CSP, unanswered call | Ringing at terminator, ringback at originator, originator released properly | Pass | |
| 1.1.13 | DUT to CSIPP, originator releases call | Two-way voice path, call released properly | Pass | |
| 1.1.14 | DUT to CSIPP, terminator releases call | Two-way voice path, call released properly | Pass | |
| 1.1.15 | CSIPP to DUT, originator abandons call | Terminator stops ringing, originator released properly | Pass | |
| 1.1.16 | CSIPP to DUT, terminator releases | Two-way voice path, call released properly | Pass | |
| 1.1.17 | DUT to CSIPP, terminator busy | Busy tone heard at originator | Pass | Call Waiting Disabled |
| 1.1.18 | DUT to CSIPP, unanswered call | Ringing at terminator, ringback at originator, originator released properly | Pass | |
| **1.2 Cisco Unified CallManager Standard SIP Feature Support** | | | | |
| **Call Forward All (CFA)** | | | | |
| 1.2.1 | DUT to DUT2, Call forwarded to DUT3, Endpoint releases call | Two-way audio, call released properly | Pass | |
| 1.2.2 | DUT to DUT2, Call forwarded to DUT3, DUT3 releases call | Two-way audio, call released properly | Pass | |
| 1.2.3 | DUT to DUT2, Call forwarded to DUT3, DUT abandons call | Terminator stops ringing, call released properly | Pass | |
| 1.2.4 | DUT to DUT2, Call forwarded to DUT3, DUT3 is busy | Originator hears busy tone, call released properly | Pass | Call Waiting Disabled |
| 1.2.5 | DUT to CSP, Call forwarded to DUT2, DUT releases call | Two-way audio, call released properly | Pass | |
| 1.2.6 | DUT to CSIPP, Call forwarded to DUT2, DUT releases call | Two-way audio, call released properly | Pass | |
| 1.2.7 | DUT to CSP, Call forwarded to DUT2, DUT2 releases call | Two-way audio, call released properly | Pass | |
| 1.2.8 | DUT to CSIPP, Call forwarded to DUT2, DUT abandons call | Terminator stops ringing, call released properly | Pass | |
| 1.2.9 | DUT to CSP, Call forwarded to DUT2, DUT2 is busy | Originator hears busy tone, call released properly | Pass | Call Waiting Disabled on DUT2 |

| 1.2.10 | DUT to CSIPP, Call forwarded to DUT2, DUT2 is busy | Originator hears busy tone, call released properly | Pass | Call Waiting Disabled on DUT2 |
|---|---|---|---|---|
| **Call Forward if Busy (CFB)** | | | | |
| 1.2.11 | DUT to DUT2, Call forwarded to DUT3, Endpoint releases call | Two-way audio, call released properly | Pass | |
| 1.2.12 | DUT to DUT2, Call forwarded to DUT3, DUT3 releases call | Two-way audio, call released properly | Pass | |
| 1.2.13 | DUT to DUT2, Call forwarded to DUT3, DUT abandons call | Terminator stops ringing, call released properly | Pass | |
| 1.2.14 | DUT to DUT2, Call forwarded to DUT3, DUT3 is busy | Originator hears busy tone, call released properly | Pass | Call Waiting Disabled on DUT3 |
| 1.2.15 | DUT to CSP, Call forwarded to DUT2,DUT releases call | Two-way audio, call released properly | Pass | |
| 1.2.16 | DUT to CSIPP, Call forwarded to DUT2, DUT releases call | Two-way audio, call released properly | Pass | |
| 1.2.17 | DUT to CSP, Call forwarded to DUT2, DUT2 releases call | Two-way audio, call released properly | Pass | |
| 1.2.18 | DUT to CSIPP, Call forwarded to DUT2, DUT abandons call | Terminator stops ringing, call released properly | Pass | |
| 1.2.19 | DUT to CSP, Call forwarded to DUT2, DUT2 is busy | Originator hears busy tone, call released properly | Pass | Call Waiting Disabled on DUT2 |
| 1.2.20 | DUT to CSIPP, Call forwarded to DUT2, DUT2 is busy | Originator hears busy tone, call released properly | Pass | Call Waiting Disabled on DUT2 |
| **Call Forward if No Answer (CFNA)** | | | | |
| 1.2.21 | DUT to DUT2, Call forwarded to DUT3, Endpoint releases call | Two-way audio, call released properly | Pass | |
| 1.2.22 | DUT to DUT2, Call forwarded to DUT3, DUT3 releases call | Two-way audio, call released properly | Pass | |
| 1.2.23 | DUT to DUT2, Call forwarded to DUT3, DUT abandons call | Terminator stops ringing, call released properly | Pass | |
| 1.2.24 | DUT to DUT2, Call forwarded to DUT3, DUT3 is busy | Originator hears busy tone, call released properly | Pass | Call Waiting Disabled on DUT3 |
| 1.2.25 | DUT to CSP, Call forwarded to DUT2, DUT releases call | Two-way audio, call released properly | Pass | |
| 1.2.26 | DUT to CSIPP, Call forwarded to DUT2, DUT releases call | Two-way audio, call released properly | Pass | |
| 1.2.27 | DUT to CSP, Call forwarded to DUT2, DUT2 releases call | Two-way audio, call released properly | Pass | |
| 1.2.28 | DUT to CSIPP, Call forwarded to DUT2, DUT abandons call | Terminator stops ringing, call released properly | Pass | |
| 1.2.29 | DUT to CSP, Call forwarded to DUT2, DUT2 is busy | Originator hears busy tone, call released properly | Pass | Call Waiting Disabled on DUT2 |
| 1.2.30 | DUT to CSIPP, Call forwarded to DUT2, DUT2 is busy | Originator hears busy tone, call released properly | Pass | Call Waiting Disabled on DUT2 |
| **Call Hold and Resume** | | | | |
| 1.2.31 | DUT to DUT2. Originator Holds and resumes call | DUT2 hears MOH, 2- way audio resumes | Pass | |
| 1.2.32 | DUT to DUT2. Terminator Holds and resumes call | DUT hears MOH, 2- way audio resumes | Pass | |
| 1.2.33 | DUT to DUT2. Originator Holds call to answer an incoming call | DUT2 hears MOH, 2- way audio on 2nd call, 2nd call properly released, 2-way audio resumes | Pass | |

| 1.2.34 | DUT to DUT2. Terminator Holds call to answer an incoming call | DUT hears MOH, 2- way audio on 2nd call, 2nd call properly released, 2-way audio resumes | Pass | |
|---|---|---|---|---|
| 1.2.35 | DUT to DUT2. Originator Holds to originate a second call | DUT2 hears MOH, 2- way audio on 2nd call, 2nd call properly released, 2-way audio resumes | Pass | |
| 1.2.36 | DUT to DUT2. Terminator Holds to originate a second call | DUT hears MOH, 2- way audio on 2nd call, 2nd call properly released, 2-way audio resumes | Pass | |
| 1.2.37 | DUT to DUT2. Originator Holds call, Terminator releases before retrieve | DUT2 hears MOH, DUT2 leg properly released, DUT unable to retrieve, DUT properly released | Pass | |
| 1.2.38 | DUT to DUT2. Terminator Holds call, Originator releases before retrieve | DUT hears MOH, DUT leg properly released, DUT2 unable to retrieve, DUT2 properly released | Pass | |
| 1.2.39 | DUT to CSP. Originator Holds and resumes call | CSP hears MOH, 2- way audio resumes | Pass | |
| 1.2.40 | DUT to CSP. Terminator Holds and resumes call | DUT hears MOH, 2- way audio resumes | Pass | |
| 1.2.41 | DUT to CSP. Originator Holds call to answer an incoming call | CSP hears MOH, 2- way audio on 2nd call, 2nd call properly released, 2-way audio resumes | Pass | |
| 1.2.42 | DUT to CSP. Terminator Holds call to answer an incoming call | DUT hears MOH, 2- way audio on 2nd call, 2nd call properly released, 2-way audio resumes | Pass | |
| 1.2.43 | DUT to CSP. Originator Holds to originate a second call | CSP hears MOH, 2- way audio on 2nd call, 2nd call properly released, 2-way audio resumes | Pass | |
| 1.2.44 | DUT to CSP. Terminator Holds to originate a second call | DUT hears MOH, 2- way audio on 2nd call, 2nd call properly released, 2-way audio resumes | Pass | |
| 1.2.45 | DUT to CSP. Originator Holds call, Terminator releases before retrieve | CSP hears MOH, CSP leg properly released, DUT unable to retrieve, DUT properly released | Pass | |
| 1.2.46 | DUT to CSP. Terminator Holds call, Originator releases before retrieve | DUT hears MOH, DUT leg properly released, CSP unable to retrieve, CSP properly released | Pass | |
| 1.2.47 | DUT to CSIPP. Originator Holds and resumes call | CSIPP hears MOH, 2-way audio resumes | Pass | |
| 1.2.48 | DUT to CSIPP. Terminator Holds and resumes call | DUT hears MOH, 2- way audio resumes | Pass | |
| 1.2.49 | DUT to CSIPP. Originator Holds call to answer an incoming call | CSIPP hears MOH, 2-way audio on 2nd call, 2nd call properly released, 2-way audio resumes | Pass | |
| 1.2.50 | DUT to CSIPP. Terminator Holds call to answer an incoming call | DUT hears MOH, 2-way audio on 2nd call, 2nd call properly released, 2-way audio resumes | Pass | |
| 1.2.51 | DUT to CSIPP. Originator Holds to originate a second call | CSIPP hears MOH, 2-way audio on 2nd call, 2nd call properly released, 2-way audio resumes | Pass | |
| 1.2.52 | DUT to CSIPP. Terminator Holds to originate a second call | DUT hears MOH, 2- way audio on 2nd call, 2nd call properly released, 2-way audio resumes | Pass | |
| 1.2.53 | DUT to CSIPP. Originator Holds call, Terminator releases before retrieve | CSIPP hears MOH, CSIPP leg properly released, DUT unable to retrieve, DUT properly released | Pass | |
| 1.2.54 | DUT to CSIPP. Terminator Holds call, Originator releases before retrieve | DUT hears MOH, DUT leg properly released, CSIPP unable to retrieve, CSIPP properly released | Pass | |
| **Blind Call Transfer** | | | | |
| 1.2.55 | DUT to DUT2, Originator transfer to a second extension | DUT properly released, 2-way audio between DUT2 and extension | Pass | |

| 1.2.56 | DUT to DUT2, Originator failed to transfer call to a second extension | DUT properly released, DUT2 receives treatment, DUT2 properly released | Pass | |
|---|---|---|---|---|
| 1.2.57 | DUT to DUT2, Originator transfer to a second extension, release before answer | All legs properly released | Pass | |
| 1.2.58 | DUT to DUT2, Terminator transfer to a second extension | DUT2 properly released, 2-way audio between DUT and extension | Pass | |
| 1.2.59 | DUT to DUT2, Terminator failed to transfer call to a second extension | DUT2 properly released, DUT receives treatment, DUT properly released | Pass | |
| 1.2.60 | DUT to DUT2, Terminator transfer to a second extension, Originator release before answer | All legs properly released | Pass | |
| 1.2.61 | DUT to CSP, Originator transfer to a second extension | DUT properly released, 2-way audio between CSP and extension | Pass | |
| 1.2.62 | DUT to CSP, Originator failed to transfer call to a second extension | DUT properly released, CSP receives treatment, CSP properly released | Pass | |
| 1.2.63 | DUT to CSP, Originator transfer to a second extension, release before answer | All legs properly released | Pass | |
| 1.2.64 | DUT to CSP, Terminator transfer to a second extension | CSP properly released, 2-way audio between DUT and extension | Pass | |
| 1.2.65 | DUT to CSP, Terminator transfer to a second extension, Originator release before answer | All legs properly released | Pass | |
| 1.2.66 | DUT to CSIPP, Originator transfer to a second extension | DUT properly released, 2-way audio between CSIPP and extension | Pass | |
| 1.2.67 | DUT to CSIPP, Originator failed to transfer call to a second extension | DUT properly released, CSIPP receives treatment, CSIPP properly released | Pass | |
| 1.2.68 | DUT to CSIPP, Originator transfer to a second extension, release before answer | All legs properly released | Pass | |
| 1.2.69 | DUT to CSIPP, Terminator transfer to a second extension | CSIPP properly released, 2-way audio between DUT and extension | Pass | |
| 1.2.70 | DUT to CSIPP, Terminator failed to transfer call to a second extension | CSIPP properly released, DUT receives treatment, DUT properly released | Pass | |
| 1.2.71 | DUT to CSIPP, Terminator transfer to a second extension, Originator release before answer | All legs properly released | Pass | |
| **Consultative Call Transfer** | | | | |
| 1.2.73 | DUT to DUT2, Originator transfer to a second extension | DUT2 receives MOH, 2-way audio DUT to extension, DUT properly released, 2- way audio DUT2 to extension | Pass | |
| 1.2.74 | DUT to DUT2, Originator failed to transfer call to a second extension, retrieve call | DUT2 receives MOH, DUT receives treatment, call successfully retrieved with 2-way audio, failed leg properly released | Pass | |
| 1.2.75 | DUT to DUT2, Originator transfer to a second extension, release before answer | DUT2 receives MOH, 2-way audio DUT to extension, all call legs properly released | Pass | |
| 1.2.76 | DUT to DUT2, Terminator transfer to a second extension | DUT receives MOH, 2-way audio DUT2 to extension, DUT2 properly released, 2- way audio DUT to extension | Pass | |
| 1.2.77 | DUT to DUT2, Terminator transfer to a second extension, Originator release before answer | DUT receives MOH, 2-way audio DUT2 to extension, all call legs properly released | Pass | |
| 1.2.78 | DUT to CSP, Originator transfer to a second extension | CSP receives MOH, 2-way audio DUT to extension, DUT properly released, 2- way audio CSP to extension | Pass | |
| 1.2.79 | DUT to CSP, Originator failed to transfer call to a second extension, retrieve call | CSP receives MOH, DUT receives treatment, call successfully retrieved with 2-way audio, failed leg properly released | Pass | |
| 1.2.80 | DUT to CSP, Originator transfer to a second extension, CSP release before answer | CSP receives MOH, 2-way audio DUT to extension, all call legs properly released | Pass | |

| 1.2.81 | DUT to CSP, Terminator transfer to a second extension | DUT receives MOH, 2-way audio CSP to extension, CSP properly released, 2-way audio DUT to extension | Pass | |
|---|---|---|---|---|
| 1.2.82 | DUT to CSP, Terminator failed to transfer call to a second extension,retrieve call | CSP receives MOH, DUT receives treatment, call successfully retrieved with 2-way audio, failed leg properly released | Pass | |
| 1.2.83 | DUT to CSP, Originator transfer to a second extension, Terminator release before answer | CSP receives MOH, 2-way audio DUT to extension, all call legs properly released | Pass | |
| 1.2.84 | DUT to CSIPP, Originator transfer to a second extension | CSIPP receives MOH, 2-way audio DUT to extension, DUT properly released, 2-way audio CSIPP to extension | Pass | |
| 1.2.85 | DUT to CSIPP, Originator failed to transfer call to a second extension, retrieve call | CSIPP receives MOH, DUT receives treatment, call successfully retrieved with 2-way audio, failed leg properly released | Pass | |
| 1.2.86 | DUT to CSIPP, Originator transfer to a second extension, CSIPP release before answer | CSIPP receives MOH, 2-way audio DUT to extension, all call legs properly released | Pass | |
| 1.2.87 | DUT to CSIPP, Terminator transfer to a second extension | CSIPP receives MOH, 2-way audio DUT to extension, DUT properly released, 2-way audio CSIPP to extension | Pass | |
| 1.2.88 | DUT to CSIPP, Terminator failed to transfer call to a second extension, retrieve call | CSIPP receives MOH, DUT receives treatment, call successfully retrieved with 2-way audio, failed leg properly released | Pass | |
| 1.2.89 | DUT to CSIPP, Terminator transfer to a second extension, Originator release before answer | CSIPP receives MOH, 2-way audio DUT to extension, all call legs properly released | Pass | |
| **3-Way Conference** | | | | |
| 1.2.90 | DUT to DUT2, Originator is the bridge | DUT2 receives MOH, DUT receives ringback, 3-way audio | Pass | |
| 1.2.91 | DUT to DUT2, Originator failed to bridged call to a DUT3, retrieve call | DUT2 receives MOH, DUT receives treatment, call successfully retrieved with 2-way audio | Pass | |
| 1.2.92 | DUT to DUT2, Originator is the bridge, Originator cancel 3 way call, retrieve original call | DUT2 receives MOH, DUT receives ringback, call successfully retrieved with 2-way audio | Pass | |
| 1.2.93 | DUT to DUT2, Terminator is the bridge | DUT receives MOH, DUT2 receives ringback, 3-way audio | Pass | |
| 1.2.94 | DUT to DUT2, Terminator failed to bridged call, retrieve original call | DUT receives MOH, DUT2 receives treatment, call successfully retrieved with 2-way audio | Pass | |
| 1.2.95 | DUT to DUT2, Terminator bridged to a DUT3, Originator releases before answer | DUT receives MOH, DUT2 receives ringback, DUT properly released, 2- way audio DUT2 – DUT3 after answer | Pass | |
| 1.2.96 | DUT to CSP, Originator is the bridge, Originator cancel 3 way call, retrieve original call | CSP receives MOH, DUT receives ringback, call successfully retrieved with 2-way audio | Pass | |
| 1.2.97 | DUT to CSP, Terminator is the bridge | DUT receives MOH, CSP receives ringback, 3-way audio | Pass | |
| 1.2.98 | DUT to CSP, Terminator failed to bridged call, retrieve original call | DUT receives MOH, CSP receives treatment, call successfully retrieved with 2-way audio | Pass | |
| 1.2.99 | DUT to CSP, Terminator bridged to a DUT2, Originator releases before answer | DUT receives MOH, CSP receives ringback, DUT properly released, 2- way audio CSP – DUT2 after answer | Pass | |
| 1.2.100 | DUT to CSIPP, Originator is the bridge | CSIPP receives MOH, DUT receives ringback, 3-way audio | Pass | |
| 1.2.101 | DUT to CSIPP, Originator failed to bridged call to a DUT3, retrieve call | CSIPP receives MOH, DUT receives treatment, call successfully retrieved with 2-way audio | Pass | |
| 1.2.102 | DUT to CSIPP, Originator is the bridge, Terminator release before answer | CSIPP receives MOH, DUT receives ringback, CSIPP properly released, 2- way audio DUT – DUT2 after answer | Pass | |
| 1.2.103 | DUT to CSIPP, Originator is the bridge, Originator cancel 3 way call, retrieve original call | CSIPP receives MOH, DUT receives ringback, call successfully retrieved with 2-way audio | Pass | |

| | | | | |
|---|---|---|---|---|
| 1.2.104 | DUT to CSIPP, Terminator is the bridge | DUT receives MOH, CSIPP receives ringback, 3-way audio | Pass | |
| 1.2.105 | DUT to CSIPP, Terminator failed to bridged call, retrieve original call | DUT receives MOH, CSIPP receives treatment, call successfully retrieved with 2-way audio | Pass | |
| 1.2.106 | DUT to CSIPP, Terminator bridged to a DUT3, Originator releases before answer | DUT receives MOH, CSIPP receives ringback, DUT properly released, 2- way audio CSIPP – DUT2 after answer | Pass | |
| **Calling Line Identification** | | | | |
| 1.2.107 | Multiline DUT (single line presented, others not) to DUT Line Presented (Calling party) | Calling Line ID presented at terminator | Pass | |
| 1.2.108 | Multiline DUT (single line presented, others   not) DUT to DUT Name Presented (Calling Party) | Calling Name presented at   terminator | Pass | |
| 1.2.109 | Multiline DUT (single line presented, others not) DUT to DUT line and Name Presented (Calling Party) | Calling Line ID and Calling Name presented at terminator | Pass | |
| 1.2.110 | Multiline DUT (single line presented, others not) DUT to DUT Line restricted (Calling Party) | Calling Line ID not presented at terminator | Pass | |
| 1.2.111 | Multiline DUT (single line presented, others not) DUT to DUT Name restricted (Calling Party) | Calling Name not presented at terminator | Pass | |
| 1.2.112 | Multiline DUT (single line presented, others not) DUT to DUT Line and Name restricted (Calling Party) | Calling Line ID and Name not presented at terminator | Pass | |
| 1.2.113 | Call Forward (DUT to DUT2, forwarded to DUT3) | Calling Line ID presented at DUT3 | Pass | |
| 1.2.114 | Call Transfer (DUT to DUT2, originator transfer to DUT3) | Calling Line ID presented at DUT3 | Pass | |
| 1.2.115 | Call Transfer (DUT to DUT2, terminator transfer to DUT3) | Calling Line ID presented at DUT3 | Pass | |
| **Calling Name Presentation** | | | | |
| 1.2.116 | DUT to DUT2, Calling Party Name | Calling Name presented at terminator | Pass | |
| 1.2.117 | DUT to DUT2, Calling Party Name Restricted | Calling Name not presented at terminator | Pass | |
| 1.2.118 | DUT to CSP, Calling Party Name | Calling Name presented at terminator | Pass | |
| 1.2.119 | DUT to CSP, Calling Party Name Restricted | Calling Name not presented at terminator | Pass | |
| 1.2.120 | DUT to CSIPP, Calling Party Name | Calling Name presented at terminator | Pass | |
| 1.2.121 | DUT to CSIPP, Calling Party Name Restricted | Calling Name not presented at terminator | Pass | |
| 1.2.122 | CSP to DUT, Calling Party Name | Calling Name presented at terminator | Pass | |
| 1.2.123 | CSP to DUT, Calling Party Name Restricted | Calling Name not presented at terminator | Pass | |
| 1.2.124 | CSIPP to DUT, Calling Party Name | Calling Name presented at terminator | Pass | |
| 1.2.125 | CSIPP to DUT, Calling Party Name Restricted | Calling Name not presented at terminator | Pass | |
| 1.2.126 | Multline DUT (single line presented, others not) to DUT Line Presented (Calling party) | Calling Line ID presented at terminator | Pass | |
| 1.2.127 | Multline DUT (single line presented, others not) DUT to DUT Name Presented (Calling Party) | Calling Name presented at terminator | Pass | |

| 1.2.128 | Multline DUT (single line presented, others not) DUT to DUT line and Name Presented (Calling Party) | Calling Line ID and Calling Name presented at terminator | Pass | |
|---------|---------|---------|------|---|
| 1.2.129 | Multline DUT (single line presented, others not) DUT to DUT Line restricted (Calling Party) | Calling Line ID not presented at terminator | Pass | |
| 1.2.130 | Multline DUT (single line presented, others not) DUT to DUT Name restricted (Calling Party) | Calling Name not presented at terminator | Pass | |
| 1.2.131 | Multline DUT (single line presented, others not) DUT to DUT Line and Name restricted (Calling Party) | Calling Line ID and Calling Name not presented at terminator | Pass | |
| 1.2.132 | Call Forward (DUT to DUT2, forwarded to DUT3) | Calling Name presented at DUT3 | Pass | |
| **Multiple Lines per Phone** | | | | |
| 1.2.133 | CSP calls DUT line 1. CSIPP calls DUT line 2. Place line 1 on hold, answer line 2. Bring line 1 into conference. | 3-way audio between parties. | Pass | |
| 1.2.134 | CSP calls DUT line 1. Blind transfer to line 2. Pick up line 2. | Line 1 properly released. 2-way audio with Line 2. | Pass | |

## 1.3 System Control and Verification

**Registration and Digest Authentication (Basic)**

| 1.3.1 | DUT Authenticated on Registration (name only) (Positive) | DUT registers successfully | Pass | |
|---------|---------|---------|------|---|
| 1.3.2 | DUT Authenticated on Registration (name Only) (Negative) | DUT registration rejected, retries | Pass | |
| 1.3.3 | DUT Authenticated on Registration (name and Password) (Positive) | DUT registers successfully | Pass | |
| 1.3.4 | DUT Authenticated on Registration (name and Password) (Negative) | DUT registration rejected, retries | Pass | |
| 1.3.5 | DUT Authenticated on Origination | DUT resends INVITE with Authorization header, successfully originates call | Pass | |
| 1.3.6 | DUT Re-Registers before Registration Time Expires | Re-registration successful, DUT can originate calls | Pass | |
| 1.3.7 | DUT Responds to Keep-Alive | DUT maintains registration | Pass | |
| 1.3.8 | DUT Multiline registration | All lines register successfully and can originate calls | Pass | |
| 1.3.9 | Loses network connection then re- connected | DUT can originate calls after registration | Pass | |

## 1.4 SIP Endpoint Functionality Verification

**Voice Codec Support**

| 1.4.1 | G.711 μ-law Make a call with G711 μ-law as the preferred codec | Verify the call is setup with DUT with G.711 μ-law as the codec | Pass | |
|---------|---------|---------|------|---|
| 1.4.2 | G.711 A-law Make a call with G711 A-law as the preferred codec | Verify the call is setup with DUT with G.711 A-law as the codec | Pass | |
| 1.4.3 | G.723 Make a call with G.723 as the preferred codec | Verify the call is setup with DUT with G.723 as the codec | Pass | |
| 1.4.4 | G.729 Make a call with G.729 as the preferred codec | Verify the call is setup with DUT with G.729 as the codec | Pass | |

| 1.4.5 | Packetization period<br>Configure the CUCM<br>to have a p-time of<br>20ms, 40ms and<br>60ms when making a call to DUT<br>Make a to DUT | Verify the different p- times can be supported in the SDP | Pass | |
|---|---|---|---|---|
| 1.4.6 | Codec negotiation<br>Configure CUCM to make a call with G.711 as the preferred coded but<br>can fallback to G.729.<br>Configure the DUT to only support G.729<br>Make a call to DUT | Verify the call is negotiated to G.729 | Pass | |
| 1.4.7 | Mid-call codec renogitiation.<br>Make a G.711 call to<br>DUT.<br>Consultative transfer the call to a G.729 only end point. | Verify the mid call negotiation works. | Pass | |
| **General Phone Functions** | | | | |
| 1.4.8 | Phone display (missed calls, called numbers, received calls)<br>Exercise the menu to check the phone display | Verify the display shows the correct information. | Pass | |
| 1.4.9 | All visible buttons and soft keys function as labeled | Verify all the soft key function correctly | Pass | |
| 1.4.10 | User configuration options | Verify all the user configurable options work correctly | Pass | |
| **General Dial Services** | | | | |
| 1.4.11 | Redial simple<br>Exercise the Redial button last Call Return | Verify the redial button works correctly | Pass | |
| **1.5 Reliability and Stability** | | | | |
| **Recovery from Loss of Uplink Connectivity** | | | | |
| 1.5.1 | Network Bounce – DUT idle | LAN connection loss/recovery within<br>10 seconds | Pass | |
| 1.5.2 | Network outage – DUT idle | LAN connection loss/recovery within 3 minutes | Pass | |
| 1.5.3 | Network Bounce – Multi-line DUT | LAN connection loss/recovery within<br>10 seconds | Pass | |
| 1.5.4 | Network outage – Multi-line DUT | LAN connection loss/recovery within 3 minutes | Pass | |

CSP：Converged Services Platform
CSIPP：Cisco Strategic Initiative Pilot Program
DUT：Device Under Test
MOH：Music on Hold