Yealink IP Phone Interoperability Test Report

PBX	Phone	Date	Written By
Datus	SIP-T28P/T26P/T22P/T20P/T12P	2010-1-19	Luxiaofeng

Contents

1. Purpose

This document describes the compatibility test result between Yealink Phone and Datus PBX.

2. Test Environment

No.	Model	Firmware	Finished Date	Tested By	Notes
Server	ASTERISK				
Terminal 1	SIP T28P	2.43.0.50	2010-1-15	Luxiaofeng	
Terminal 2	SIP T26P	6.43.0.50	2010-1-15	Luxiaofeng	
Terminal 3	SIP T22P	7.43.0.50	2010-1-15	Luxiaofeng	BLF is Not supported
Terminal 4	SIP T20P	9.43.0.50	2010-1-15	Luxiaofeng	SMS and BLF is Not supported
Terminal 5	SIP T12P	5.43.0.50	2010-1-15	Luxiaofeng	BLF is Not supported

3. Test Summary

Note:FC（Full Compatible），**PC**（Partial Compatible），**NS**（Not Supported），**NA** (Not Applicable),

NT (Supported by Not Tested)

Features Tested	Result	Mark
Registration	FC	
Call Origination	FC	
Call Termination	FC	
Codec	PC	Supports:PCMU,PCMA,G722,G726-32
Call Failure Handle	FC	
Call Hold/Resume	FC	
Call Forward	FC	
Call Transfer	PC	Waiting interface is not supported
Conference	FC	
Call Waiting	FC	
DND	FC	
Caller ID	FC	
Voice Mail	FC	
BLF	FC	
Call Park/ Call Retrieve	FC	
Call Pickup	FC	
Advanced Transfer	FC	
Intercom	NS	
Dialog-Info Pickup	FC	
SMS	NS	
Early Media	NS	
Auto Porovision	FC	

4. Test Result

Complete the test report by marking an "√" in the appropriate column:**FC**（Full Compatible），

PC（Partial Compatible），**NS**（Not Supported），**NA** (Not Applicable),**NT** (Supported by Not Tested)

Test Case Title		FC	PC	NA	NS	NT
Basic Function						
Basic Function - Registration						
2.1-1	Register an account	√				
2.1-2	Logout a registered account	√				
2.1-3	Re-register the account when login expire time out	√				
Basic Function - Call Origination						
2.2-1	DUT calls B; DUT hears ring back tone	√				
2.2-2	DUT calls B; B doesn't answer	√				
2.2-3	DUT calls B; B answers	√				
2.2-4	DUT calls B; B answers; B then hangs up	√				
2.2-5	DUT calls B; B rejects	√				
2.2-6	DUT calls B; DUT cancels the call before B answers	√				
Basic Function - Call Termination						
2.3-1	B calls DUT; DUT rings	√				
2.3-2	B calls DUT; DUT doesn't answer	√				
2.3-3	B calls DUT; DUT answers	√				
2.3-4	B calls DUT; DUT answers; DUT then hangs up	√				
2.3-5	B calls DUT; DUT rejects	√				
2.3-6	B calls DUT; B cancels the call before DUT answers	√				
Basic Function - Codec						
2.4-1	Codec setting on DUT	√				
2.4-2	PCMU negotiation	√				
2.4-3	PCMA negotiation	√				
2.4-4	G729 negotiation				√	
2.4-5	G723_53 negotiation				√	
2.4-6	G723_63 negotiation				√	
2.4-7	G722 negotiation	√				
2.4-8	G726-16 negotiation				√	
2.4-9	G726-24 negotiation				√	
2.4-10	G726-32 negotiation	√				
2.4-11	G726-40 negotiation				√	
Basic Function - Call Failure Handle						
2.5-1	DUT calls an unregistered extension	√				
2.5-2	DUT calls an undefined number	√				
2.5-3	B calls DUT whose *return code when refuse* is set to be 404. DUT rejects	√				
2.5-4	B calls DUT whose *return code when refuse* is set to be 480. DUT rejects	√				
2.5-5	B calls DUT whose *return code when refuse* is set to be 486. DUT rejects	√				
2.5-6	B calls DUT whose DND is enabled and *return code when DND* is set to be 404	√				

Test Case Title		FC	PC	NA	NS	NT
2.5-7	B calls DUT whose DND is enabled and *return code when DND* is set to be 480	√				
2.5-8	B calls DUT whose DND is enabled and *return code when DND* is set to be 486	√				
Basic Function - Call Hold/Unhold						
2.6-1	DUT holds B	√				
2.6-2	B holds DUT	√				
2.6-3	DUT holds B; then unholds it	√				
2.6-4	DUT holds B; then B cancels the call	√				
2.6-5	DUT holds B; then DUT cancels the call	√				
2.6-5	B holds DUT; then unholds it	√				
Basic Function - Call Forward						
2.7-1	Brief explanation to Always Forward setting	√				
2.7-2	Always forward when DUT is in IDLE, with call waiting enabled	√				
2.7-3	Always forward when DUT is on a call, with call waiting enabled	√				
2.7-4	Always forward when DUT is in IDLE, with call waiting disabled	√				
2.7-5	Always forward when DUT is on a call, with call waiting disabled	√				
2.7-6	Brief explanation to Busy Forward setting	√				
2.7-7	Busy forward when DUT is in IDLE, with call waiting enabled	√				
2.7-8	Busy forward when DUT is on a call, with call waiting enabled	√				
2.7-9	Busy forward when DUT is in IDLE, with call waiting disabled	√				
2.7-10	Busy forward when DUT is on a call, with call waiting disabled	√				
2.7-11	Brief explanation to No Answer Forward setting	√				
2.7-12	No answer forward when DUT in IDLE, with call waiting enabled	√				
2.7-13	No answer forward when DUT on a call, with call waiting enabled	√				
2.7-14	No answer forward when DUT in IDLE, with call waiting disabled	√				
2.7-15	No answer forward when DUT on a call, with call waiting disabled	√				
Basic Function - Call Transfer						
For basic PBX that doesn't support transfer status checking						
2.8-1	Brief explanation to Blind Transfer	√				
2.8-2	DUT blind transfer B to C; C answers;	√				
2.8-3	DUT blind transfer B to C; C rejects; All return IDLE	√				
2.8-4	B blind transfer DUT to C; C answers;	√				
2.8-5	B blind transfer DUT to C; C rejects	√				
2.8-6	Brief explanation to attended Transfer	√				
2.8-7	DUT attended transfer B to C	√				
2.8-8	B attended transfer DUT to C	√				
For Advanced PBX that supports transfer status checking						
2.8-9	Brief explanation to Blind Transfer				√	
2.8-10	DUT blind transfer B to C; C answers;				√	
2.8-11	DUT blind transfer B to C; C rejects; DUT shows transfer failed				√	
2.8-12	DUT blind transfer B to C; DUT hangs up before C answers				√	
2.8-13	B blind transfer DUT to C; C answers				√	

Test Case Title		FC	PC	NA	NS	NT
2.8-14	B blind transfer DUT to C; C rejects				√	
2.8-15	Brief explanation to attended Transfer				√	
2.8-16	DUT attended transfer B to C				√	
2.8-17	B attended transfer DUT to C				√	
Basic Function - Conference						
2.9-1	DUT initiates a conference with B and C	√				
2.9-2	DUT initiates a conference with B and C; B hangs up during conference	√				
2.9-3	DUT initiates a conference with B and C; C hangs up during conference	√				
2.9-4	DUT initiates a conference with B and C; DUT hangs up during conference	√				
Basic Function - Call Waiting						
2.10-1	Brief explanation to Call Waiting setting	√				
2.10-2	Accept a call when DUT is in IDLE, with call waiting enabled	√				
2.10-3	Accept a call when DUT is on a call, with call waiting enabled	√				
2.10-4	Accept a call when DUT is in IDLE, with call waiting disabled	√				
2.10-5	Accept a call when DUT is on a call, with call waiting disabled	√				
Basic Function - DND						
2.11-1	Brief explanation to DND setting	√				
2.11-2	B calls DUT when DUT is DND enabled	√				
2.11-3	B calls DUT when DUT disables DND after it was enabled	√				
Basic Function - Caller ID						
2.12-1	B calls DUT when DUT is in IDLE	√				
2.12-2	DUT calls B when B forwards it to C	√				
2.12-3	B calls C when C forwards it to DUT	√				
2.12-4	B blind transfer DUT to C	√				
2.12-5	B attended transfer DUT to C	√				
2.12-6	DUT initiates a conference to B and C	√				
Basic Function - Voice Mail						
2.13-1	B calls DUT and is directed to Voicemail	√				
2.13-2	B leaves voice mail to DUT	√				
2.13-3	DUT listen to voice mail	√				
Basic Function - BLF						
2.14-1	Brief explanation to BLF setting	√				
2.14-2	BLF for an unregistered extension	√				
2.14-3	BLF for an IDLE extension	√				
2.14-4	BLF for a dialing out extension	√				
2.14-5	BLF for a talking extension	√				
2.14-6	BLF for a ringing extension	√				
Basic Function - Call Park/ Call Retrieve						
2.15-1	Brief explanation to Call Park setting	√				
2.15-2	DUT parks and retrieves a call	√				
Basic Function - Call Pickup						

Test Case Title		FC	PC	NA	NS	NT
2.16-1	Brief explanation to Call Pickup setting	√				
2.16-2	DUT picks up a ringing call on B	√				
Advanced Function						
Advanced Function - Advanced Transfer						
For basic PBX that doesn't support transfer status checking						
3.1-1	Brief explanation to Semi-attended Transfer	√				
3.1-2	DUT semi-attended transfer B to C; C answers;	√				
3.1-3	DUT semi-attended transfer B to C; C rejects; All return IDLE	√				
3.1-4	B semi-attended transfer DUT to C; C answers;	√				
3.1-5	B semi-attended transfer DUT to C; C rejects;	√				
For advanced PBX that supports transfer status checking						
3.1-6	Brief explanation to Semi-attended Transfer				√	
3.1-7	DUT semi-attended transfer B to C; C answers;				√	
3.1-8	DUT semi-attended transfer B to C; C rejects; DUT shows transfer failed				√	
3.1-9	B semi-attended transfer DUT to C; C answers;				√	
3.1-10	B semi-attended transfer DUT to C; C rejects;				√	
Inter-transfer						
3.1-11	DUT transfers between 2 active calls from one to the other	√				
Advanced Function - Intercom						
3.2-1	Brief explanation to Intercom setting	√				
3.2-2	DUT makes a intercom with B				√	
Advanced Function - Dialog-Info Pickup						
3.3-1	DUT makes a Dialog-Info pickup for a ringing call on B	√				
Advanced Function - SMS						
3.4-1	Brief explanation to SMS sending	√				
3.4-2	DUT sends a SMS				√	
3.4-3	DUT receives a SMS				√	
Advanced Function - Early Media						
3.5-1	DUT calls B with early media ringing back				√	
Advanced Function - Auto Porovision						
3.6-1	DUT provision with PNP	√				
3.6-2						
Advanced Function - PBX Advanced Features						