

## 2.2 Interface Capabilities Supported

The Patton SN4524 has completed interoperability testing with BroadWorks using the *BroadWorks SIP Access Device Interoperability Test Plan* [4]. The results are summarized in the following table.

The BroadWorks test plan is composed of packages, each covering distinct interoperability areas, such as “Basic” call scenarios and “Redundancy” scenarios. Each package is composed of one or more test items, which in turn, are composed of one or more test cases. The test plan exercises the SIP interface between the device and BroadWorks with the intent to ensure interoperability sufficient to support the BroadWorks feature set.

The *Supported* column in the following table identifies the Patton SN4524’s support for each of the items covered in the test plan packages, with the following designations:

- Yes Test item is supported.
- No Test item is not supported.
- NA Test item is not applicable to the device type.
- NT Test item was not tested.

Caveats and clarifications are identified in the *Comments* column.

**NOTE:** *DUT* in the following table refers to the *Device Under Test*, which in this case is the Patton SN4524.

BroadWorks SIP Access Device Interoperability Test Plan Support Table			
Test Plan Package	Test Plan Package Items	Supported	Comments
Basic	Call Origination	Yes	
	Call Termination	Yes	
	Session Audit	Yes	
	Session Timer	Yes	
	Ringback	Yes	
	Forked Dialog	Yes	
	Early UPDATE	No	
	Early-Session	No	
	181 Call Being Forwarded	Yes	
	Dial Plan	Yes	
	Dual-Tone Multi-Frequency (DTMF) – Inband	Yes	
	DTMF – RFC 2833	Yes	
	DTMF – DTMF Relay	NT	
	Codec Negotiation	Yes	Except SDP Version Number Increment.
	Codec Renegotiation	Yes	

<b>BroadWorks SIP Access Device Interoperability Test Plan Support Table</b>			
<b>Test Plan Package</b>	<b>Test Plan Package Items</b>	<b>Supported</b>	<b>Comments</b>
<b>BroadWorks Services</b>	Third-Party Call Control – Basic	Yes	
	Third-Party Call Control – Advanced	NA	
	Voice Message Deposit or Retrieval	Yes	
	Message Waiting Indicator	Yes	Except Message Waiting Count and Saved/Urgent Information.
	Voice Portal Outcall	Yes	
	Advanced Alerting	No	
	Calling Line ID	Yes	
	Calling Line ID with Unicode Characters	NT	
	Connected Line ID	No	
	Connected Line ID with Unicode Characters	NT	
	Connected Line ID on UPDATE	No	
	Connected Line ID on Re-INVITE	No	
	Diversion Header	Yes	
	History-Info Header	Yes	
	Advice of Charge	No	
Meet-Me Conferencing	Yes	Except G722.	
<b>DUT Services – Call Control Services</b>	Call Waiting	Yes	
	Call Hold	Yes	
	Call Transfer	No	
	Three-Way Calling	No	
	Network-Based Conference	NT	
<b>DUT Services – Registration and Authentication</b>	Register Authentication	Yes	
	Maximum Registration	Yes	
	Minimum Registration	Yes	
	Invite Authentication	Yes	
	Re-Invite or Update Authentication	Yes	
	Refer Authentication	Yes	
Device Authenticating BroadWorks	No		
<b>DUT Services – Fax</b>	G711 Fax Passthrough	Yes	
	G711 Fax Fallback	Yes	
	T38 Fax Messaging	Yes	
<b>DUT Services – Miscellaneous</b>	Do Not Disturb	No	
	Call Forwarding Always	No	

<b>BroadWorks SIP Access Device Interoperability Test Plan Support Table</b>			
<b>Test Plan Package</b>	<b>Test Plan Package Items</b>	<b>Supported</b>	<b>Comments</b>
	Call Forwarding Always Diversion Inhibitor	No	
	Anonymous Call	No	
	Anonymous Call Block	No	
	Remote Restart Via Notify	No	
<b>Advanced Phone Services – Busy Lamp Field</b>	Busy Lamp Field	No	
	Call Park Notification	No	
<b>Advanced Phone Services – Feature Key Synchronization, Private Line</b>	Do Not Disturb	No	
	Do Not Disturb Ring Splash	No	
	Call Forwarding	No	
	Call Forwarding Always Ring Splash	No	
	Call Forwarding Always Diversion Inhibitor	No	
	Call Center Agent Logon or Logoff	No	
	Call Center Agent Unavailable Code	No	
<b>Advanced Phone Services – Feature Key Synchronization, Shared Line</b>	Do Not Disturb	No	
	Do Not Disturb Ring Splash	No	
	Call Forwarding	No	
	Call Forwarding Always Ring Splash	No	
	Call Forwarding Always Diversion Inhibitor	No	
<b>Advanced Phone Services – Missed Calls Display Synchronization</b>	Missed Calls Display Sync	No	
<b>Advanced Phone Services – Shared Call Appearance using Call Info</b>	Line-Seize	No	
	Call-Info/Lamp Management	No	
	Public Hold	No	
	Private Hold	No	
	Multiple Call Arrangement	No	
	Bridging	No	
	Call Park Notification	No	
<b>Advanced Phone Services – Call Center</b>	Hold Reminder	No	
	Call Information	No	
	Hoteling Event	No	
	Status Event	No	
	Disposition Code	No	
	Emergency Escalation	No	
	Customer Originated Trace	No	

BroadWorks SIP Access Device Interoperability Test Plan Support Table			
Test Plan Package	Test Plan Package Items	Supported	Comments
<b>Advanced Phone Services – Call Park Notification</b>	Call Park Notification	No	
	<b>Redundancy</b>		
	Domain Name System (DNS) SRV Lookup	Yes	
	Register Failover or Failback	Yes	
	Invite Failover or Failback	Yes	
	Bye Failover	No	
<b>Session Border Controller (SBC)/Application Layer Gateway (ALG)</b>	Register	Yes	
	Outgoing Invite	Yes	
	Incoming Invite	Yes	
<b>Video – Basic Video Calls</b>	Call Origination	NA	
	Call Termination	NA	
	Call Hold	NA	
	Call Waiting	NA	
	Call Transfer	NA	
<b>Video – BroadWorks Video Services</b>	Auto Attendant	NA	
	Auto Attendant – HD	NA	
	Voice Messaging	NA	
	Voice Messaging – HD	NA	
	Custom Ringback	NA	
<b>TCP</b>	Register	Yes	
	Outgoing Invite	Yes	
	Incoming Invite	Yes	
<b>IPV6</b>	Call Origination	No	
	Call Termination	No	
	Session Audit	No	
	Ringback	No	
	Codec Negotiation or Renegotiation	No	
	Call Control	No	
	Registration with Authentication	No	
	T38 Fax Messaging	No	
	Busy Lamp Field	No	
	Redundancy	No	
	SBC	No	
	Video	No	

### 2.3 Known Issues

This section lists the known interoperability issues between BroadWorks and specific partner release(s). Issues identified during interoperability testing and known issues identified in the field are listed.

The following table provides a description of each issue and, where possible, identifies a workaround. The verified partner device versions are listed with an “X” indicating that the issue occurs in the specific release. The issues identified are device deficiencies or bugs, and are typically not BroadWorks release dependent.

If the testing was performed by BroadSoft, then the *Issue Number* is a BroadSoft ExtraView partner issue number. If the testing was performed by the partner or a third party, then the partner may or may not supply a tracking number.

For more information on any issues related to the particular partner device release, see the partner release notes.

Issue Number	Issue Description	Partner Version			
		R6.T			
	<p><b>SDP Version Incrimination</b></p> <p>There is a known issue in some cases (session audits), where Patton's SmartNode increments the o-line of the SDP when it is not required to do so. There is no other change in the SDP so this does not affect the call in anyway. Hence, there is no Plan to fix this.</p> <p>Workaround: None (Call is not affected).</p>	X			