

Course Outline

Security Center: Advanced Sipelia Certification Training	
Code	SC-SIP-002 (5.9)
Level	Advanced
Duration	2 days
Target audience	Technicians, Administrators, and IT Professionals
Prerequisites	Successful completion of SC-SIP-001 (5.8-5.9)
Certification	A virtual machine is provided for practice and evaluation.

Topic	Description
Module 1: <i>SIP intercoms</i>	<ul style="list-style-type: none"> • Configuring your SIP intercom to call a specific extension • Third-party software • Using Sipelia on interactive maps • Adding SIP intercom objects to a Plan Manager map • The UX: Monitoring with intercoms
Module 2: <i>SC custom events with Sipelia™</i>	<ul style="list-style-type: none"> • Custom events associations for users • Custom events associations for intercoms • Custom events associations - example
Module 3: <i>Ring groups</i>	<ul style="list-style-type: none"> • Intro to Ring groups • Creating basic ring groups • Creating custom ring groups

<p>Module 4: <i>SIP trunks and dial plans</i></p>	<ul style="list-style-type: none"> • Two-way communication between Sipelia™ Server and other SIP servers • Procedure <ul style="list-style-type: none"> ○ Adding SIP trunks ○ Defining dial plan rules <ul style="list-style-type: none"> ▪ Dial plans ▪ Dial plans rules ▪ Regular Expression ▪ RegEx in Sipelia ○ Importing dial plans Call Signaling • Creating dial plans in Config tool • Connection test • Dial plan scenarios • Associating SC custom events with SIP trunk states
<p>Module 5: <i>SIP Network Traffic</i></p>	<ul style="list-style-type: none"> • SIP Call Flow • SIP Requests • SIP Responses
<p>Module 6: Capturing packets</p>	<ul style="list-style-type: none"> • Wireshark • WinPcap
<p>Module 7: Packet Loss</p>	<ul style="list-style-type: none"> • Possible causes of packet loss • Strategies to identify the causes of packet loss • Identifying the network segment
<p>Module 8: Overview of packet capturing techniques</p>	<ul style="list-style-type: none"> • Packet Capturing Techniques • Where to run Wireshark? • Port mirroring • Switch management • Select the network interface
<p>SC-SIP-002 Exam</p>	<ul style="list-style-type: none"> • Exam • Passing grade: 80% • 1 hour