

## Course Description

Learn the essential skills and procedures you need to install and interconnect a multi-shelf E9 system.

## Objectives

- Attach cable and fiber brackets to an E9 shelf
- Install an E9 shelf in a telco rack
- Install power and ground to an E9 shelf
- Install management connections to an E9 shelf
- Install fan modules into an E9 shelf
- Install line cards into an E9 shelf
- Install shelf interconnect cables between E9 shelves
- Install pluggable transceiver modules and attach fiber
- Attach an air filter assembly to an E9 shelf

## Prerequisite Training and Skills

- Completion of Introduction to E9 or equivalent knowledge

## Who should attend?

- This course is intended for central office and field technicians, installers, network planners, and others who want to know more about E9 installation

Course and Exam Duration: 60 Minutes

Lessons		Topics
<b>01</b>	Before You Begin	<ul style="list-style-type: none"> <li>• Before You Begin</li> <li>• Determining an Installation Location</li> <li>• What's In the Box</li> <li>• Items Ordered Separately</li> <li>• User-Supplied Items</li> </ul>
<b>02</b>	Installing a Shelf In a Rack	<ul style="list-style-type: none"> <li>• Cable Management Brackets</li> <li>• Attaching Cable Management Brackets to a Shelf</li> <li>• Attaching Bracket Adapters</li> <li>• Guidelines for Installing Shelves in a Rack</li> <li>• Installing a Shelf in a Rack</li> </ul>
<b>03</b>	Connecting Power and Ground	<ul style="list-style-type: none"> <li>• Grounding the Chassis</li> <li>• Connecting Power</li> </ul>

<h2>04</h2>	<h3>Connecting Management Interfaces</h3>	<ul style="list-style-type: none"> <li>• Connect to the USB Port</li> <li>• Connect to the Ethernet Management Ports</li> <li>• Connect to an RS-232 Serial Port</li> <li>• Wiring External Alarm Interfaces</li> </ul>
<h2>05</h2>	<h3>Installing Fan Modules and Cards</h3>	<ul style="list-style-type: none"> <li>• Install Fan Modules</li> <li>• Removing a Fan Module</li> <li>• Card Installation Guidelines</li> <li>• Installing a Card</li> </ul>
<h2>06</h2>	<h3>Interconnecting Shelves</h3>	<ul style="list-style-type: none"> <li>• Guidelines for Interconnecting Shelves</li> <li>• Fan-Out Cable</li> <li>• Shelf Interconnections</li> <li>• NG1601 CDFP Port Numbering</li> <li>• Installing Fan-Out Cables</li> </ul>
<h2>07</h2>	<h3>Installing Fiber and Pluggable Modules</h3>	<ul style="list-style-type: none"> <li>• Installing Pluggable Transceiver Modules</li> <li>• Connecting Fibers</li> <li>• Installing the Air Filter Assembly</li> </ul>