

Alcatel-Lucent 7705 Service Aggregation Router

Installation, Provisioning, and Commissioning Checklist

Overview

This checklist assumes you have read the applicable installation guide for your product and understand its procedures, including notes, warnings, cautions, and dangers.

The "Installing, provisioning, and commissioning a 7705 SAR system" table lists high-level items to install, provision, and commission a 7705 SAR. Not all items apply to all installations.

Some of the important general considerations and reminders are listed below:

- conform to country and local standards and practices with respect to mandatory regulations such as electrical, safety, and environmental regulations
- wear an antistatic wrist strap while installing the chassis and other hardware components
- ensure that any wires and leads prepared by an installer conform to local safety practices (for example, ground wires and DC power leads)
- ensure that outdoor installation sites provide proper protection from the environment, including corrosive conditions
- dispose of hazardous materials according to local standards
- lift the 7705 SAR chassis by the bottom when installing in a rack
- do not stack routers directly on top of one another
- leave appropriate space around a rack-mounted 7705 SAR for proper air flow
- ensure that empty slots have a filler plate installed
- test cables as part of the installation process
- observe proper handling of fiber-optic cables
- do not look directly into a fiber-optic connector
- product support (URL to OLCS: <http://support.alcatel-lucent.com/> or <http://www.alcatel-lucent.com/myaccess>):

To access documentation and software downloads: see the OLCS instruction sheet (p/n 3HE 04217 AAAB TQZZA Ed. 01), shipped with the router, for information about account registration, authentication, and Alcatel-Lucent SLA or warranty agreement access.

To contact support personnel: if you purchased a service agreement from a distributor or authorized reseller, contact the distributor or reseller for assistance. If you have an Alcatel-Lucent service agreement, check the links above for instructions.



3HE 06624 AAAA TQZZA Edition 01
March 2011

Installing, Provisioning, and Commissioning

Installing, provisioning, and commissioning a 7705 SAR system

Item		SAR-F	SAR-8	SAR-18
Prepare the site				
1	Inspect the location for environmental appropriateness	y	y	y
2	Inspect the location for proper power source, ground, and disconnect devices	y	y	y
3	Measure distances for required cabling	y	y	y
Install the chassis				
4	Unpack the chassis	y	y	y
5	Install the chassis in a rack	y	y	y
Ground the chassis				
6	Prepare the ground wire	y	y	y
7	Attach the ground wire to the ground pin	y	y	y
Connect DC power (item 8 or item 9, not both)				
8	Connect -48 VDC power feeds	y	y	y
9	Connect +24 VDC power feeds	y	y	n
Connect AC power (for a chassis using an AC power source)				
10	Connect an AC power converter to -48 VDC systems	y	y	n
Install the components				
11	Install the Fan module	n	y	y
12	Install the Fan filter	n	n	y
13	Replace the factory-installed compact flash #3 (CF3) on CSM(s) with a larger-capacity CF	n	y	y
14	Install CF1 and CF2 in their faceplate slots	n	n	y
15	Remove the filler plates covering needed slots	n	y	y
16	Install CSM(s)	n	y	y
17	Install CSM filler plate	n	n	y
18	Install the Alarm module	n	n	y
19	Install the Adapter cards	n	y	y
20	Install the SFPs	y	y	y
21	Install the Distribution panels (includes grounding)	n	y	y
Connect the cables				
22	Connect copper and fiber cables	y	y	y
23	Make shield ground connections	y	y	y
24	Make DS3/E3 connections	n	y	y

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Item		SAR-F	SAR-8	SAR-18
25	Make E&M connections	n	y	n
26	Remove cable management guide(s)	n	n	y
27	Make External Alarms port connections	y	y	y
28	Make Auxiliary Alarm card connections	n	y	y
29	Identify wire groupings for T1/E1 cables (by color) and make patch panel connections	n	y	y
30	Make external synch 1.0/2.3 coaxial connections	y	y	n
31	Make external synch RJ-45 BITS connections	n	n	y
Initialize and provision (see the applicable chassis installation guide for details)				
32	Power up and verify the initialization	y	y	y
33	Connect a VT100 terminal to the Console port	y	y	y
34	Troubleshoot initial startup	y	y	y
35	(option) Initialize using Auto Discovery Protocol (ADP)	y	y	y
36	Assign an IP address to the Management port	y	y	y
37	Configure static routes in the Boot Option File (BOF)	y	y	y
38	Connect to the Management port (local or network)	y	y	y
39	Run a Telnet session	y	y	y
Commission the system				
40	Configure the IOM on the CSM(s)	n (auto)	y	y
41	Configure the MDAs (adapter cards)	n (auto)	y	y
42	Configure SNMP	y	y	y
43	Set the router name, date, and time	y	y	y
44	Configure synchronization	y	y	y
45	Configure an NTP server	y	y	y
46	Configure security	y	y	y
47	Create initial users for node commissioning	y	y	y
48	Configure an OAM reference point	y	y	y
Verify the system				
49	Check alarms	y	y	y

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