General Information

The site preparation checklist at the end of this chapter helps ensure that all site preparations are completed before the delivery and installation of a VCO/4K system.

Installation Planning

Installation planning includes:

- Location
- Environment
- Power
- Alarms
- Operating limits for cards and peripherals

Review Chapter 2, "Installation Planning,"and complete all modifications to the installation site before the arrival of the VCO/4K. For additional information on installation planning, refer to Appendix A, "System Component Weights."

Cabling Preparations

Cabling preparation includes:

- Digital interconnections
- Cabling to a VCO/4K system

This guide does not describe how to construct and wire cables. Review the "Digital Interconnections" section on page 2-8 before prewiring the installation site.

Regulatory Considerations

Refer to the "Federal Communication Commission (FCC) Information" section on page 2-9.

Peripheral Equipment

Every VCO/4K system requires connection to a video display terminal (VDT) and dot matrix printer for system administration purposes. A remote maintenance modem is also an option. Topics discussed include:

- Types of peripheral equipment
- Installation planning for peripheral equipment
- Peripheral cabling
- Routing peripheral equipment through transfer switches

Host Communication Links

VCO systems communicate with a host computer system over Ethernet links. This is discussed in Chapter 4, "Host Communication Cabling." For detailed information on using the optional Ethernet communications package for the VCO/4K, refer to the *Cisco VCO/4K Ethernet Guide*.

Site Preparation Checklist

If you request Cisco to perform the VCO/4K installation and system certification, you must complete the following checklist before Cisco personnel arrive:

1. ____ Verify the space requirements, including access and passageways to the equipment room for the VCO/4K system and the associated peripheral equipment (Chapter 2, "Installation Planning").

2. ____ Complete all modifications to the installation site, including electrical service and HVAC modifications (Chapter 2, "Installation Planning").

3. ____ Construct, label, and properly route cables to the VCO/4K location (Chapter 2, "Installation Planning").

4. ____ Order telco facilities (subscriber loops, trunks, T-spans, and so forth); coordinate their installation, and test all facilities following installation (*Cisco VCO/4K Hardware Planning Guide)*.

5. ____ Install the DC Power Plant (if required) and terminate the feeder circuits near the VCO/4K (Chapter 2, "Installation Planning").

6. ____ Install the earth ground so you can terminate it at the power entry module on the VCO/4K (Chapter 2, "Installation Planning").

7. ____ Connect the EIA/TIA-232 and parallel cables from the VCO/4K to the peripheral equipment (console, printer, modem, and switches). (See Chapter 3, "Peripheral Equipment.")

8. ____ Install the business line for the remote maintenance modem. Terminate the line near the installation location for the modem (optional). (See Chapter 3, "Peripheral Equipment.")

9. ____ Connect the Ethernet transceiver and cables for use as the host communication links between the host computer and the VCO/4K (Ethernet Communications Package). (See Chapter 4, "Host Communication Cabling.")

10. ____ Install and test the host computer system.

11. ____ Install an AC branch circuit, either 120V, 50/60 Hz, 3A or 240V, 50/60 Hz, 15A, (if required) near the VCO/4K location for connection to the power supply (Chapter 2, "Installation Planning").

12.   ____ Install the 120V, 50/60 Hz, 20A AC branch circuit (if required) to power the peripheral equipment (may require more than one outlet). (See Chapter 3, "Peripheral Equipment.")