



Prepare for installation

This chapter provides details about the requirements that you must complete prior to installation.

This chapter:

- lists the documents to review prior to installation.
- reviews the ONT requirements.
- reviews the clearances required for proper ventilation.
- describes proper handling procedures for the ONT.
- [Required documents, on page 1](#)
- [Proper handling, on page 2](#)
- [Required tools and equipment, on page 2](#)

Required documents

Prior to installation, review the latest versions of supporting documentation as applicable to the intended installation.

Required documents are:

- Installation Specification (IS) and Bill of Materials (BOM)
- Regional, customer, and site-specific regulatory, installation, and safety requirements
- Optical Connector Inspection and Cleaning
- Installation Workmanship Standards
- Telcordia Electromagnetic Compatibility and Electrical Safety GR-1089- CORE
- Telcordia Generic Installation Standards GR-1275 CORE
- European Telecommunications Standards Institute (ETSI) 300 119 Equipment Engineering
- European Telecommunication Standard for equipment practice

Proper handling

Improper handling of sensitive components can have the following consequences:

- Damage to equipment such that the equipment does not function properly when in use
- Misdiagnosed failure analysis report for a returned (RMA) unit

Equipment containing integrated circuits can be damaged by static electricity that builds up on work surfaces and personnel. The effect of ESD damage may be immediate failure or it may manifest itself as a latent failure affecting the reliability of the equipment.

Observe the following precautions to avoid static charges and discharges:

- When handling the equipment (for example, storing, installing, or removing), always wear a grounded wrist strap or wear a heel strap and stand on a grounded, static-dissipating floor mat.
- Never touch the components, conductors, or connector pins.
- If possible, do not remove the equipment from its packaging until ready for use.
- If possible, open all packaging at a static-safe work station using properly- grounded wrist straps and static-dissipating table mats.
- Always store and transport modules in static-safe packaging.

To avoid physical damage to the equipment, store it in the original protective packaging container. Do not stack equipment without the use of the original protective packaging containers.

Required tools and equipment

When handling, installing, or removing the ONT, ensure the ONT is stored in ESD-protective packaging when not installed in an equipment rack.

The following tools and equipment are required whenever handling the ONT and must be available at the installation site:

- ESD-guard wrist strap
- ESD-guard heel grounders
- A Phillips screwdriver of suitable size to accommodate the rack screws
- Flat head screwdriver
- Anti-static bag or anti-static box