

Taurus Pro CPE Installation Note

This installation note is applicable for SkyEdge II-c Taurus Pro CPE.

To install the SkyEdge II-c Taurus Pro CPE, the installer must:

- Be trained in installing the SkyEdge II-c Taurus Pro CPE
- Be familiar with the *SkyEdge II-c SOTM Taurus Pro CPE Installation and Configuration manual, DC-5310021(A)*
- Have the CPE configuration parameters available

The Taurus Pro CPE is a 1U rack-mount chassis suitable for installation and operation in protected environment within vehicles (per **ETSI EN 300 019-2-5, Class 5.2, test 5M3**). For an easier access to all connectors, the Taurus Pro is installed with the rear panel facing the front of the rack. By default, the CPE is supplied with rack-mount ears secured to the rear panel. The Taurus Pro CPE is powered with a 48VDC external power source.



Figure 1: Taurus Pro CPE – Front View



Figure 2: Taurus Pro CPE – Rear View

Unpacking Guidelines

1. Unpack the Taurus Pro CPE unit and its accessories. **No cables** are supplied with the Taurus Pro CPE unit. For information regarding the cables and wiring, refer to the *RaySat SR300Ka Antenna System Installation and Operation manual, DCR1000289(A)*.
2. Compare with the supplied BOM and verify that all the items are supplied in good condition.

General Precautions

- Do not block the ventilation openings of the CPE or place any object on top of the CPE.
- Do not place the CPE in a location that would deviate from typical ambient environmental conditions of temperature, humidity, and moisture.



CAUTION

- **THE CPE MUST BE GROUNDED PRIOR TO INSTALLATION BY ATTACHING ONE END OF THE GROUNDING CABLE TO THE GROUNDING STUD ON THE REAR OF THE CPE, AND THE OTHER END TO THE SITE MAIN GROUND CONNECTION. 18AWG GROUNDING CABLE SHOULD BE USED.**
- **THE CPE MUST BE CONFIGURED PRIOR TO ATTACHING THE RF CABLES.**
- **THE POWER CABLE MUST BE DISCONNECTED FROM THE CPE PRIOR TO CONNECTING THE RF CABLES.**



WARNING

BEFORE INSTALLING THE UNIT, VERIFY THAT THE ANTENNA AND DC POWER CORD ARE GROUNDED SO AS TO PROVIDE PROTECTION AGAINST VOLTAGE SURGES AND STATIC CHARGES. SECTION 810 OF THE US NATIONAL ELECTRICAL CODE, ANSI/NFPA 70, AND SECTION 54 OF THE CANADIAN ELECTRICAL CODE PROVIDE INFORMATION WITH REGARD TO PROPER GROUNDING OF THE MAST AND SUPPORTING STRUCTURE, GROUNDING OF THE LEAD-IN WIRE TO AN ANTENNA DISCHARGE UNIT, SIZE OF GROUNDING CONDUCTORS, LOCATION OF ANTENNA DISCHARGE UNIT, CONNECTION TO GROUNDING ELECTRODES AND REQUIREMENTS FOR THE GROUNDING ELECTRODE.