

Salt Lake City Department of Airports

Antenna Installation Standards

Section 1. Purpose:

Installation standards provide common understanding of Salt Lake City Department of Airports' (SLCDA) requirements for tenant-installed communication devices requiring antennae, satellite dishes, wireless and other communication devices and equipment on existing roofs and structures at Salt Lake City International Airport (SLC), South Valley Regional Airport (SVRA), and Tooele Valley Airport (TVA). Installation standards ensure that all such communication devices are installed in accordance with SLCDA, FAA, FCC, City, and other agency standards.

Section 2. Installation Standards:

Prior to installation, tenant must submit to SLCDA a completed Tenant Improvement Application, and the required drawings/plans/specifications stated therein to understand the full scope of the installation and determine approval of the installation. Documents must specify and show conduit and cable routes, equipment locations and specifications, penetrations (if any) through roof, electrical conduit and wire, antenna and support heights, and the contractor(s) who will complete the installation.

Section 2.1 Installation Requirements:

The following is a brief list of installation requirements. Please note this list is not all inclusive and is subject to change based on the scope of each project.

1. Equipment must be mounted to a substantial base separated from the roof by an isolation barrier or slip sheet of roofing material.
2. Cables are to be routed so as to not create a trip hazard in any direction. Cables may not be run across the roofing surface.
3. Penetrations to the roof are to be flashed in by a licensed roofer compatible with existing roofing materials to maintain roof warranties.
4. Large equipment must be attached to a structure qualified to support equipment weight and remain intact during high wind and extreme weather. Provide structural calculations from a licensed structural engineer as required.
5. Mounts to existing plumbing or other vent stacks are prohibited.
6. Mounts to equipment such as HVAC units, fans, etc. are prohibited.
7. Equipment must remain clear of all public areas, vehicle traffic areas, maintenance areas, walkways, roof hatches, and doors.
8. Equipment must be clearly labeled and identified with owner information, contact, and termination point.

Section 2.2 Contractor Requirements:

SLCDA requires all installation work to be completed by a licensed contractor authorized to do work in the state of Utah. All contractors shall submit to SLCDA, required insurance certificates as stated in the Tenant Improvement Guidelines. All contractors must be authorized to do work at the Airport. For insurance and other questions, please contact the Airport Contracts Manager, at (801) 575-2984.

SLCDA will not escort or authorize tenant's contractors to access Airport property. Tenant may escort contractor pursuant to standard escort procedures, or require contractor to be badged. For badging and other access questions, please contact the Access Control office at (801) 575-2423.

Section 3. Plan Review/Permits:

SLCDA shall, upon receipt of plans, review and comment on plans. Tenant shall address comments and submit revised plans for further review.

Section 3.1 Airport Approval:

Unauthorized work is strictly prohibited. SLCDA written approval is required prior to arranging for or conducting any type of work related to the installation of any type of antenna or satellite dish or supporting devices and cabling. Unauthorized equipment and supporting devices are subject to the immediate removal and disposal by SLCDA. SLCDA shall invoice tenant for any damage to Airport-owned property and labor costs associated with such work, which tenant shall promptly pay.

Freestanding and roof mounted antennae may have height restrictions and other issues with existing airport equipment installations. In some cases a FAA form 7460-1 entitled "Notice of Proposed Construction" may be required. A substantial time period (over 60 days) may be required by the FAA to review the form prior to construction.

Section 4. Examples:

Properly Installed Antenna



Improperly Installed Antenna



Section 5. Definitions:

Airport: Salt Lake City International Airport (SLC), South Valley Regional Airport (SVRA), and/or Tooele Valley Airport (TVA), collectively.

Antenna: A device or equipment used to send and receive signals, communicate with towers, satellites, and other devices.

Contractor: An organization hired by a tenant at the Airport, authorized to do work for and on-behalf of tenant in the state of Utah.

Salt Lake City Department of Airports: Department of Salt Lake City which owns and operates Salt Lake City International Airport (SLC), South Valley Regional Airport (SVRA), and Tooele Valley Airport (TVA).

Tenant: An organization with an executed and current lease agreement at any of the three (3) airports SLCDA manages.

Section 6. Contacts:

Access Control Office	(801) 575-2423
Property Management	(801) 575-3433
Contracts Management	(801) 575-2984
Facilities/Maintenance Management	(801) 531-4564
Planning & Environmental Management	(801) 575-2490
Airport Operations Management	(801) 575-2401
Engineering Management	(801) 575-2902