

**COMMUNICATION SITE
MANAGEMENT PLANS**

HUALAPAI PEAK

HAYDEN PEAK

POTATO PATCH

ADDENDUM

ENCLOSURE 1 – MINIMUM SITE STANDARDS

Minimum Site Standards for
Hualapai Peak, Potato Patch, and
Hayden Peak Communication Sites

1. All Radio-Electronic type equipment, including associated cables, wiring and antenna systems, shall be installed and maintained in a clean, neat and orderly manner, and be permanently secured. All such installations will be both electrically and mechanically sound.
2. All radios shall be TYPE ACCEPTED for the intended application.
3. A band pass device is recommended at the input of all receivers.
4. Notch type duplexers must be preceded by a band pass device.
5. When radio interference occurs, notch filters, crystal filters and dual ferrite isolators and/or band pass devices may be required. The need for additional filtering equipment will be determined on a case-by-case basis.
6. Double shielded, double braided or heliax type coaxial cable is required from radio equipment through isolators, band pass devices, and duplexers, etc., to heliax transmission line. No RG - 8 type cable will be allowed.
7. Jacketed heliax transmission line is required. Unjacketed transmission line of any type is prohibited.
8. Type "N" connectors are preferred over other type connectors. Do not mix coax connectors with adapters.
9. Black nylon tie wraps, insulated wire wrap or approved insulated cable clamps must be used to secure transmission line to towers. Wrap lock is prohibited.
10. Insulate guy wires, bonding across clevises, brackets, etc. Do not leave loose wire or metal objects on towers.
11. All equipment, less microwave, must be housed in metal cabinets and properly grounded.
12. All facilities and installations shall conform to the current National Electrical Safety Code.
13. Equipment changes and modifications will not be made without prior authorization.
14. Location and height of tower and location of antennas on the tower shall not be changed after the initial installation and tests without authorization.

15. Identify each transmitter with an identification tag which includes the following information: the name of each transmitter user, R/W number (if applicable), person's name and telephone number responsible for the equipment maintenance, the receive frequency, transmit/receive tone frequencies and transmit frequency and power (with a copy of the FCC license, or IRAC authorization).
16. Annual checks on the following connections (for loose or corroded connections).
 - a. Antenna and feedlines.
 - b. Standby Power Plant Cables.
 - c. Battery Cables.
 - d. A.C. Wiring.
 - e. Tower Joints (rust and corrosion).
 - f. Metal doors.
 - g. Fences and gates (if applicable).
17. Unused antennas will be terminated with a load impedance which matches the impedance of the connection being made.