

**State of Alaska Telecommunication System Critical Tower Repair, Upgrade, and Maintenance**      **FY2010 Request: \$3,000,000**  
**Reference No: 47047**

**AP/AL:** Appropriation

**Project Type:** Information Technology / Systems / Communication

**Category:** General Government

**Location:** Statewide

**Contact:** Eric Swanson

**House District:** Statewide (HD 1-40)

**Contact Phone:** (907)465-5655

**Estimated Project Dates:** 07/01/2009 - 06/30/2012

**Brief Summary and Statement of Need:**

Funding is needed to provide for deferred maintenance on the State of Alaska Telecommunication System (SATS).

<b>Funding:</b>	<u>FY2010</u>	<u>FY2011</u>	<u>FY2012</u>	<u>FY2013</u>	<u>FY2014</u>	<u>FY2015</u>	<u>Total</u>
Gen Fund		\$3,000,000	\$3,000,000	\$3,000,000	\$3,000,000	\$3,000,000	\$15,000,000
Info Svc	\$3,000,000						\$3,000,000
<b>Total:</b>	\$3,000,000	\$3,000,000	\$3,000,000	\$3,000,000	\$3,000,000	\$3,000,000	\$18,000,000

<input type="checkbox"/> State Match Required	<input type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input type="checkbox"/> Phased - underway	<input checked="" type="checkbox"/> On-Going
0% = Minimum State Match % Required		<input type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill	

**Operating & Maintenance Costs:**

	<u>Amount</u>	<u>Staff</u>
Project Development:	0	0
Ongoing Operating:	0	0
<u>One-Time Startup:</u>	0	
<b>Totals:</b>	0	0

**Additional Information / Prior Funding History:**

Authorization for SATS/ALMR in FY2008 totalled \$24.0 million, of which only \$10.0 million was realized. Funding in the amount of \$10,120,000 was appropriated in FY2007; Funding in the amount of \$9,149,000 was appropriated in FY2006 (\$2,744,000 DMVA funding included); Funding in the amount of \$6,050,000 was appropriated in FY2005; Funding in the amount of \$400,000 was appropriated in FY2004; Authorization of \$15,553,600 was appropriated in FY2002.

**Project Description/Justification:**

**Problem To Be Solved:**

The SATS system is at constant risk of failure and requires an immediate focus on critical system upgrades and repairs, work identified by preventative maintenance inspections (PMI), and completion of FCC mandated upgrades.

**Solution:**

A three-year program to execute known critical repairs, conduct maintenance inspections of selected sites to identify and correct unknown critical repair issues, and upgrade selected sites to complete FCC mandated 2Ghz to 6Ghz re-banding requirements will be put in place. Beyond FY2012 it is anticipated that additional maintenance will be necessary as well as complying with the FCC narrow band mandate.

**Benefits:**

Return the SATS system to minimum levels of nominal operation and complete FCC mandated banding requirements.

**What We Propose To Buy:**

1. Hardware, software, and services to execute critical repairs to SATS installations.
2. Hardware, software, and services to complete 2GHz – 6GHz re-banding installations on remaining SATS sites.

**Timeline:**

36 months

**Explanation of How Project Contributes to Your Divisional Mission:**

Maintenance of a reliable communications and network transportation system for critically dependent day-to-day and emergency SOA communication operations is in keeping with the ETS mission that includes providing for a robust and secure information technology infrastructure.

**Explanation of How Project Contributes to End Result:**

Minimizes unscheduled and delayed outages and creates a reliable network.