

Installation of Capstone Avionics for Wildlife Conservation Aircraft **FY2009 Request:** \$125,000
Reference No: AMD 45688

AP/AL: Appropriation **Project Type:** Equipment
Category: Natural Resources
Location: Statewide **Contact:** Doug Larsen
House District: Statewide (HD 1-40) **Contact Phone:** (907)465-4190
Estimated Project Dates: 07/01/2008 - 06/30/2013

Brief Summary and Statement of Need:

Install Capstone avionics in seven aircraft operated by the Division of Wildlife Conservation. This includes four instrument flight rules (IFR) aircraft based in Fairbanks, two visual flight rules (VFR) aircraft in Nome and one VFR aircraft in Kotzebue. The cost for avionics installation in IFR aircraft is \$20,000 per plane and in VFR aircraft is \$15,000 per plane.

Funding:	FY2009	FY2010	FY2011	FY2012	FY2013	FY2014	Total
Gen Fund	\$125,000						\$125,000
Total:	\$125,000	\$0	\$0	\$0	\$0	\$0	\$125,000

<input type="checkbox"/> State Match Required	<input checked="" type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased - new	<input type="checkbox"/> Phased - underway	<input type="checkbox"/> On-Going
0% = Minimum State Match % Required		<input checked="" 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
One-Time Startup:	0	0
Totals:	0	0

Additional Information / Prior Funding History:

The Division of Commercial Fisheries has four aircraft based in Kodiak. The technology is not yet available in the area and the cost to outfit those aircraft with Capstone avionics is not included in this appropriation request. There have been no prior department appropriations for this purpose.

Project Description/Justification:

The Alaskan Region's "Capstone Program" is a technology focused safety program which seeks near-term safety and efficiency gains in aviation by accelerating implementation and use of modern technology. Capstone links multiple programs and initiatives under a common umbrella for planning, coordination, focus, and direction and develops capabilities and requirements jointly with the Federal Aviation Administration (FAA), the Alaskan community, and the aviation industry in a manner consistent with future National Airspace System (NAS) plans and concepts, and implements in a manner leading to self-equipage.

Capstone is an accelerated effort to improve aviation safety and efficiency through installation of government-furnished Global Positioning System (GPS)-based avionics and data link communications suites in commercial aircraft. Compatible ground systems, equipment, and services will also be provided. The name "Capstone" is derived from the program's effect of drawing and holding together concepts and recommendations contained in reports from RTCA, Inc., the National Transportation Safety Board (NTSB), the MITRE Corporation's Center for Advanced Aviation System Development (CAASD), and Alaskan aviation industry representatives. In addition to the avionics suites, Capstone will deploy a ground infrastructure for weather observation, data link communications, surveillance, and Flight Information Services (FIS) to improve safety and enable eventual implementation of new procedures. A successful Capstone demonstration will help reduce the FAA's risk of nation-wide transition to the future NAS Architecture 4.0.