

Emergency Wireless Communications**FY2001 Request: \$71,200**
Reference No: 26592

AP/AL: Appropriation **Project Type:** Information Systems
Category: Health/Human Services
Location: Southcentral Alaska **Contact:** Nico Bus
House District: Southcentral Alaska Areawide **Contact Phone:** (907)465-2406
 (HD 7-28)
Estimated Project Dates: 07/01/2000 - 06/30/2002

Brief Summary and Statement of Need:

To provide a wireless communications interface between the State of Alaska's emergency management personnel, local governments emergency managers, and the Federal emergency response managers located in south-central Alaska.

Funding:	FY2001	FY2002	FY2003	FY2004	FY2005	FY2006	Total
Gen Fund	\$71,200						\$71,200
Total:	\$71,200	\$0	\$0	\$0	\$0	\$0	\$71,200

<input type="checkbox"/> State Match Required	<input type="checkbox"/> One-Time Project	<input checked="" type="checkbox"/> Phased Project	<input 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
One-Time Startup:	0	
Totals:	0	0

Additional Information / Prior Funding History:

Total Project cost: \$228.5 GF.
 Prior Year Appropriations: FY98 \$157.3
 This request is \$71.2

Project Description/Justification:

1. Has the project been previously approved by TIC/TAC?
 Yes, Emergency Wireless was approved and funded to begin establishing wireless communications within South-Central Alaska. (SLA97/CH100/Sec82/P53/L26).

2. Is it a phased project? If so, describe project status.
 Yes. Initial planning and design has begun. Design work will be concluded by March, 2000 and Phase I to be completed by July 1, 2000. Phase I will provide wireless communications to the Mat-Su Borough emergency services and the Municipality of Anchorage EOC. Phase II will continue concept and broaden capabilities of the system to include the Kenai emergency services.

3. What is the purpose of the project?
 To provide a wireless communications interface between the State of Alaska's emergency management personnel, local governments emergency managers, and the Federal emergency response managers located in south-central Alaska.

4. What is the total project cost, funding sources, prior year appropriations and the annual operating and maintenance costs when the project is complete?

Total Project cost: \$228.5 GF.
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 State of Alaska Capital Project Summary
 Governors 2001 Capital w/amend
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Department of Military and Veterans Affairs
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Annual Operating and Maintenance: \$ 25.0

5. Is this a new systems development project? Yes. Upgrade or enhancement to existing department capabilities? Yes. Will it replace old systems? No.

This enhancement upgrades the emergency point-to-point communication systems between State emergency managers and Kenai borough emergency managers by providing a voice / data communication system that is not reliant upon existing commercial land lines.

6. Specifically, what hardware, software, consulting services, or other items will be purchased with this expenditure?

Hardware:

- 6 ea. Radio Antennae / Transmitter
- 3 radio towers
- Cables / Connectors
- Routers
- Modems

Software - None

Consulting Services: Engineering consulting for Terrain Analysis and Signal propagation issues.

Contractor: Installation of Equipment

7. How will service to the public measurably improve if this project is funded?

Emergency managers within the primary population centers of south-central Alaska will have reliable point-to-point communications to the State Emergency Coordination Center. This will allow immediate voice and data communications for requesting assistance during disasters. Currently these managers must rely upon the commercial landlines to relay information. These systems quickly become overloaded during a disaster.

8. How does the project fit into the long-range technology plans for your department and the technology goals of the Knowles/Ulmer administration? (They are: Improve public access to information; Maximize service to the public through voice, video and data systems; Optimize government efficiencies; Explore innovative and cost effective services that meet Alaska's challenges; Stimulate the development of private and public services.)

This project maximizes service to the public, optimizes government efficiencies and provides an innovative and cost effective service to the emergency response community of Alaska.

The public is directly served because following an emergency, this wireless system may be the only direct means of communicating between the local emergency managers and the State Emergency Coordination Center. During past disasters, communications utilizing the commercial landlines has been unreliable and incapable of serving the emergency managers and responders. This system will dedicate voice and data communication lines to this problem and provide a redundant, reliable communication system.

This system optimizes government efficiencies by allowing the State Emergency Coordination Center to remain in contact with the emergency managers of the primary population centers within south-central Alaska. Once established, coordination with other State agencies responsible for emergency response/management will be encouraged to share and utilize this wireless system. These could include DPS, DEC, DNR, and Federal cooperators.

9. Does the project affect the way in which other public agencies will conduct their business?

Potentially. Coordination with other State agencies responsible for emergency response/management will be encouraged to share and utilize this system. These agencies include DPS, DEC, DNR, and Federal cooperators.

10. What are the potential out-year cost implications if this project is approved? (Bandwidth requirements, etc.)

System operating and maintenance costs are the only anticipated out-year costs, unless other State agencies would like to utilize the system. The cost of these additional users is not included in this request. At this time, these costs would be estimated at \$25,000/site.

11. What will happen if the project is not approved?

The Kenai borough will not be able to share in this system.

If funded, this project will be coordinated with the following FY2001 capital budget requests:

DOA Land Mobile Radio Migration - \$1.2 million, \$850.0 general fund, \$350 federal receipts

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DMVA Integrated Emergency Telecommunications Infrastructure - \$75.0 general fund
DMVA Emergency Rescue Coordination Infrastructure - \$133.7 general fund
DHSS Emergency Medical Communications Systems Phase 2 - \$241.6 general fund
DPS Southeast Emergency Communications Upgrade - \$400.4, \$350.4 general fund, \$50.0 interagency receipts from Oil & Hazardous Response Fund