



Alaska Land Mobile Radio & State of Alaska Telecommunications System Risk Analysis

February 7, 2007

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Risk Analysis Variables

- Potential for loss of primary and backup power systems
- The impact that a loss of an individual remote site would have on the system due to cascading effects and the numbers of users affected
- The potential for not getting access to a site due to weather delays and travel
- The probability that unfinished critical maintenance will cause a site outage

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Sites at Risk

- Numerical total risk score higher than 50 is considered to be a critical risk for failure
- 69 of 126 Public Safety Sites have a total risk score greater than 50
- 15 of these sites have a total risk score greater than 100

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Maintenance Plan Priorities

- Site degradation or failure (Break/Fix)
- Critical Maintenance
- Preventive Maintenance Inspections (PMI)
- Preventive Maintenance Follow-Up

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Maintenance Requirements

Maintenance Categories	Hours Required	Available	Difference
Site Degradation or Failure	2,632		
Critical Maintenance, top 35 Sites	20,400		
Preventive Maintenance Inspection	11,375		
Preventive Maintenance Follow Up	11, 875		
Total Hours Required	46,282	26,235	20,047

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Final Comments

- 4.6 million O&M Funding to be reduced by 10%
- \$9.6 million requested for O&M was deleted from the budget by the previous administration
- \$ 10.1 million in capital project funds was deleted
- As currently configured and funded ETS can not support the mission requirements of the Service Level Agreement (SLA)
- 44 remote communication sites have a greater than four hours drive time from existing ETS radio shops

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