

A WISH LIST

MODERNIZATION FOR REMOTE WEATHER SENSING IN ALASKA

A PROBLEM ~~SEARCHING~~ DYING FOR A SOLUTION

- “Ancient” technology: AWOS, ASOS and Weather Cams
- “Antique” infrastructure: land lines
- These two issues separately and together are costing time and money
- Lives and air taxi companies hang in the balance
- Impediments: budgetary constraints, political turf wars and outmoded acquisition processes

THE FIX (IN MY HUMBLE OPINION)

- Cheaper and better state-of-the-art sensors and cameras
 - Unlimited ceilometers, machine-derived visibility per sector
 - 360-degree zoomable panoramic camera images
 - On-demand ADS-B for easy identification of traffic in the vicinity and positive visual ID for dispatchers or Flight Service
 - Simplified maintenance – much can be done remotely
- Satellite communications - from weather stations to the world and to the cockpit
- Direct-to-cockpit (and dispatchers) imagery, PIREPs and more

POSSIBLE ADVANTAGES IN THE NEAR TERM

- Not being required to wait for the “perfect solution” before the old equipment is no longer supportable
- Reduced need to coordinate systems between governmental agencies or divisions within agencies regarding installation, siting, acquisition, and maintenance
- SAFER for everyone involved

QUESTIONS?

- None of these concepts are set in stone, but with input from all concerned, should become the basis for a consensus of all aviation professionals, pilots, dispatchers, meteorologists and financial decision makers.
- Thanks for listening. I welcome feedback!

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