

Memorandum

U.S. Department
of Transportation

Federal Aviation
Administration

Subject: **ACTION:** Flight Standards Service
Recommendation to Authorize Anchorage
Air Route Traffic Control Center
(ARTCC) to provide Air Traffic
Control Service to Capstone ADS-B
Equipped Aircraft Conducting
Operations in Non Radar Airspace in
the Bethel, Alaska Area.

Date: December 7, 2000

From: Director, Flight Standards Service,
AFS-1

Reply to
Attn. of:

TO: Director, Air Traffic Service, AAT-1

We have reviewed the results of the attached Capstone ADS-B Acceptability Evaluation completed by the Oceanic and Offshore Integrated Product Team and provided to the FAA Flight Technologies Division on November 30, 2000.

Our review of the Capstone Equipped Aircraft Operational Data and the Acceptability Evaluation indicates that the accuracy of the Capstone ADS-B positional information transmitted to Anchorage ARTCC is as good or better than surveillance radar.

We concur with certifying and approving the use of ADS-B equipment used by Anchorage ARTCC as a surveillance source that meets the 5-mile separation criteria equivalent utilized in the en route radar environment with the following conditions and limitations:

- Separation standards for ADS-B displayed targets are: Below FL600-5 miles and at or above FL600-10 miles in the en route operating environment only
- ADS-B service is limited to the Anchorage FIR area when primary and secondary radar are unusable or unavailable
- All Pilots and Controllers must receive training on ADS-B procedures and phraseology prior to conducting ADS-B operations
- Performance of the ADS-B signal must be continuously monitored using ADS-B fixed parrot
- Supplemental Type Certificate or applicable follow on STC approval is issued for the installed airborne Capstone avionics system

- Radar identification of ADS-B aircraft shall be in accordance with FAA Order 7110.65, paragraph 5-3-2, Primary Radar Identification Methods

Please contact the AFS-400 Free Flight Program Manager at (202) 267-9093 if additional information is needed. information is needed.

(Original signed by)

L. Nicholas Lacey

Attachment

AUA-600 Capstone ADS-B Evaluation Acceptability Memo