



U.S. Department
of Transportation
**Federal Aviation
Administration**

**Transport Airplane Directorate
Los Angeles Aircraft
Certification Office**

3960 Paramount Boulevard
Lakewood, California 90712-4137

February 22, 2006

ACSS
Attn.: Mr. Philip D. Heinicke
Technical Staff Engineer
19810 North 7th Avenue
Phoenix, Arizona 85027-4400

Dear Mr. Heinicke:

ACSS, TCAS II (TCAS 3000), Computer Unit;
Technical Standard Order C119b

Your application letter dated February 2, 2006 and supplement letters dated February 9, 2006 and February 15, 2006, requesting the issuance of a Technical Standard Order (TSO) authorization in accordance with the procedural requirements of 14 Code of Federal Regulations (14 CFR) Part 21, Subpart O has been reviewed. Based upon your data and statement of conformance certifying your article(s) have met the requirements of 14 CFR Part 21, Subpart O, and the minimum performance standards of C119b (Ref. 14 CFR § 21.605 and 21.609), authorization is hereby granted for the TCAS 3000 Computer Unit (CU), part numbers indicated below:

| Part Number | Mod Level | TSO | Deviations |
|-------------------|--------------------|---------------------------------|---|
| 9003000-1000 1 | S/W-N/A H/W-N/A | C119b With deviation * | See ACSS SAS TCAS3000 Doc. 8002073-001 Rev. (-) and HAS Doc. 8002201-001 Rev. (B). |
| 9003000-5500 1 | S/W-N/A H/W-N/A | C119b With deviation * | See ACSS SAS TCAS3000 Doc. 8002073-001 Rev. (-) and HAS Doc. 8002201-001 Rev. (B). |
| 9003000-6500 1 | S/W-N/A H/W-N/A | C119b With deviation * | See ACSS SAS TCAS3000 Doc. 8002073-001 Rev. (-) and HAS Doc. 8002201-001 Rev. (B). |

(* Legacy deviations that have been previously reviewed and approval granted by FAA, no new deviation has been sought or applicable to TCAS 3000.

The technical data submitted with your application has been reviewed and accepted as fulfilling the requirements for a TSO authorization until modifications of this article are made. At that time modification documentation must be submitted that adequately addresses the TSO C119b requirements.

For your information, the conditions and tests required for TSO approval is minimum performance standards. The article(s) may be installed on or within a specific type or class of aircraft only if further evaluation by the user/installer documents an acceptable installation that is approved by the Administrator.

The quality control procedures contained in your quality control manual, currently on file at the Phoenix Manufacturing Inspection District Office, and your statement that those procedures will be applied to the manufacture of the subject article(s) at the above address, are considered adequate in accordance with 14 CFR § 21.143.

Effective this date, you are authorized to use TSO procedures for the TCAS 3000 as listed above. You may identify the article(s) with the applicable TSO markings as required by TSO C119b and the deviations.

As recipient of this TSO authorization you are required to report any failure, malfunction, or defect in any product or part manufactured by you or your contracted suppliers, and which you have determined has resulted or could result in any of the occurrences listed in 14 CFR § 21.3(c). The report should be communicated initially by telephone to the Manager, Technical and Administrative Support Staff, ANM-103L, (562) 627-5300, within 24 hours after it has been determined the failure has occurred, and followed up with a written notice. FAA Form 8010-4 (Malfunction or Defect Report) or other appropriate format is acceptable in transmitting the required details. As required by 14 CFR § 21.613(b), you must also notify the FAA when you no longer manufacture a TSO approved article.

This authorization pertains only to the name and manufacturing operations listed above. This office must be notified in advance of any proposed facility relocation to preclude interruption while awaiting quality control approval of that facility.

Sincerely,



Carlton Woo
Manager, Technical & Administrative
Support Staff