



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

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

3960 Paramount Boulevard
Lakewood, California 90712-4137

February 12, 2003

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

Dear Mr. Heinicke:

ACSS, T²CAS , Computer Unit;
Technical Standard Order C119b and C151a with Deviations

Your application letter dated June 11, 2001 and February 6, 2003, 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 TSO C119b and C151a (with deviations) (Ref. 14 CFR § 21.605 and 21.609), authorization is hereby granted for the the products listed below:

<u>Model</u>	<u>Part Number</u>	<u>Description</u>	<u>TSO</u>
TT-950	9000000-10001	6MCU T ² CAS LRU	C119b and C151a with * deviations
TT-951	9000000-55001	4MCU T ² CAS LRU	C119b and C151a with *deviations
AP-950	9000001-10001	Aircraft Personality Module (APM)	C151a with * deviations
ASDB	9000281-001	Aircraft Specific Database	C151a with * deviations

* Discription of the applicable C119b and C151a deviations see Attachment.

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. ²

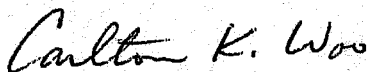
The quality control procedures contained in your quality control manual, currently on file at the Phoenix Manufacturing Inspection District Office, and your statement that those procedures will be applied to the manufacture of the subject article(s) at the above address, are considered adequate in accordance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

Effective this date, you are authorized to use TSO procedures for the T²CAS as listed above. You may identify these articles with the applicable TSO markings as required by TSO C119b and C151a with 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 K. Woo
Manager, Technical and Administrative
Support Staff

Attachment