



Aviation Communication & Surveillance Systems
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March 17, 2003

Federal Aviation Administration
Spectrum Engineering Division
AES-500
800 Independence Avenue, S.W.
Washington, D.C. 20591

Subject: Notification of Intent to File for FCC Certification for ACSS TT-951 Traffic
& Terrain Collision Avoidance System (T²CAS)

To Whom It May Concern:

In accordance with FCC Rules and Regulations Part 87, Paragraph 87.147(d3), notification is hereby given of ACSS to file for FCC Certification for the ACSS Type TT-951 T²CAS. The TT-951 T²CAS is a modification to the previously certified RT-950 Traffic Collision Avoidance System (TCAS).

The TT-951 T²CAS will be FAA TSO'd to the following TSOs:

- C119b, Traffic Alert and Collision Avoidance System Airborne Equipment
- C151a, Terrain Awareness and Warning System

Additional assemblies are installed for future applications for FCC Certification to TSO C117a, Airborne Windshear Warning and Escape Guidance Systems for Transport Airplanes.

Your favorable consideration of this application will be appreciated.

Very truly yours,


Peter Beutelman
Hardware Engineering Manager

Documents Enclosed: See Sheet 2.

Documents Enclosed

1. ACSS letter of intent to file for FCC Certification dated Feb 11, 2003.
2. FCC Compliance Report for T²CAS, TT-951/952, ACSS Drawing 8000709-001, Rev -.
 - Test Report Data
 - Functions of Semiconductors
 - Circuit Descriptions
 - Equipment Photographs
3. ACSS Integrated Test Specification for RT-950, TCAS, ACSS Drawing No. IT7517900, Rev N.
4. ACSS Automated Test Procedures for TT-950/951/952, T²CAS, ACSS Drawing No. 8000253-001, Rev B
5. T²CAS Block Diagrams.
6. T²CAS Model TT-951 Assembly Drawing, ACSS Drawing No. 9000000-55001, Rev E.
7. T²CAS Model TT-951 End Item Assembly Drawing, ACSS Drawing No. 9000000-55, Rev -.
8. T²CAS Model TT-951 Circuit Card Assembly - A1 Interconnect, ACSS Drawing No. 9000010-001, Rev H.
9. T²CAS Model TT-951 Circuit Card Assembly - A2 TCAS Processor, ACSS Drawing No. 7517925-903, Rev C.
10. T²CAS Model TT-951 Circuit Card Assembly - A3 TCAS Transmitter, ACSS Drawing No. 7517935-902, Rev F.
11. T²CAS Model TT-951 Circuit Card Assembly - A4 Power Supply, Drawing No. 9000015-001, Rev F.
12. T²CAS Model TT-951 Circuit Card Assembly - A5 TCAS Receiver I/O, Drawing No. 517945-903, Rev K.
13. T²CAS Model TT-951 Circuit Card Assembly - A7 TAWS Processor, ACSS Drawing No. 9000020-001, Rev J.
14. T²CAS Automated Test Procedures, ACSS Drawing No. 8000253-001, Rev A.
15. TCAS2000 Integrated Test Specification, ACSS Drawing No. IT7517900, Rev N.
16. Labels for T²CAS/APM, ACSS Drawing No. 9000299-001, Rev A.
17. Outline and Installation of T²CAS, ACSS Drawing No. 9000027-001, Rev -.