



U.S. Department
of Transportation

**Federal Aviation
Administration**

800 Independence Ave., S.W.
Washington, D.C. 20591

DEC 19 2001

Mr. Frank Coperich
Federal Communications Commission
7435 Oakland Mills Road
Columbia, Maryland 21046

Dear Mr. Coperich:

We have completed our review of the request by BF Goodrich for equipment authorization by the Federal Communication Commission (FCC). The request was for the BF Goodrich Skywatch TRC 497 Collision Avoidance System, FCC ID: PMYTRC497. The applicant provided us with a letter from the Aircraft Certification Service that states that the equipment has received Federal Aviation Administration, Technical Standards Order authorization. A copy of the letter is enclosed. This office has no objection to the granting of the certification.

If you require any additional information, please contact Mr. Michael Richmond, Spectrum Planning and International Division, ASR-200, at (202) 493-4157.

Sincerely,

George K. Sakai
Program Director for Spectrum
Policy and Management

Enclosure

CC:
Mr. Brent Locher
Goodrich Avionics Systems, Inc.
1105 Schrock Rd., Suite 800
Columbus, Ohio 43229-0229

Mr. Jerry Anderson
Federal Aviation Administration, FOB-10B
Aircraft Certification Service, AIR-130
Washington, DC 20590

Adrian P. Honer
Federal Aviation Administration
Chicago ACO/Aircraft Certification Office
Systems & Flight Test Branch
2300 E. Devon Avenue
Des Plaines, IL 60018



U.S. Department
of Transportation
Federal Aviation
Administration

Small Airplane Directorate
Chicago Aircraft Certification Office
2300 East Devon Avenue
Des Plaines, IL 60018

July 22, 1998

Mr. Billie M. Stevens, Jr.
BFGoodrich Avionics Systems, Inc.
1105 Schrock Road, Suite 800
Columbus, OH 43229-0229

Dear Mr. Stevens:

This is in response to your letter dated July 10, 1998, requesting Technical Standard Order (TSO) authorization for your SkyWatch 497 Traffic Advisory System.

The Statement of Conformance to TSO-C147 and the submitted data are accepted. You are authorized to identify your model TRC497, P/N 805-10800-(), with TSO-C147 markings. We acknowledge P/N 805-10800-001 and 805-10800-002 as the first in a series.

Your Quality Control System as defined in the BFGoodrich Avionics Systems, Inc. (BFG AS) Quality Manual, Issue #020, dated February 19, 1996, is considered satisfactory for production of this equipment at your Grand Rapids, Michigan, manufacturing facility.

We are returning the contents of TSO Drawing List, TRC497, Drawing No. 016-10836-001, Rev. A, dated July 10, 1998, for your disposition. However, we will keep the drawing list and the following other documents for our files:

- a. Statement of Conformance in your letter dated July 10, 1998,
- b. SKY497 Installation Manual, Drawing No. 009-10800-001, Rev. A, dated April 25, 1997,
- c. Pilot's Guide for the SkyWatch Traffic Advisory System, Drawing No. 009-10801-001, Rev. A, dated June 23, 1997,
- d. Plan for Software Aspects of Certification, SKY497, Drawing No. 016-10824-001, Rev. 00, dated October 18, 1996,
- e. Software Configuration Index, SKY497, Drawing No. 016-10817-001, Rev. B, dated July 16, 1997,
- f. Software Accomplishment Summary, SKY497, Drawing No. 016-10813-001, Rev. C, dated July 2, 1998,

- g. Approved Software/Fuse File List, SKY497, Drawing No. 016-10822-001, Rev. E, dated September 2, 1997,
- h. RTCA/DO-160D Environmental Qualification Form, SKY497, Drawing No. 016-10802-002, Rev. A, dated July 8, 1998,
- i. DO-160C to DO-160D Environmental Comparisons, Drawing No. 016-10838-001, Rev. A, dated July 8, 1998.

You are required by Federal Aviation Regulation (FAR) 14 CFR 21.607(c) to maintain a current file of complete technical data and records for each model for which a TSO authorization has been issued. In addition, you are required by FAR 21.615(e) to make the technical data available to the FAA upon request

Any design change made to these TSO'd items must be forwarded to this office as outlined in FAR 21.611 with minor change submittal intervals not to exceed six months. Also, as recipient of this authorization, you are required to report any failure, malfunction, or defect relating to this authorization in accordance with the provisions of FAR 21.3.

If you have any questions regarding this authorization, please contact Ms. Brenda Ocker, telephone (847) 294-7126.

Sincerely,

Adrian Honer
Adrian P. Honer
Acting Manager
Systems and Flight Test Branch

Enclosures