



U. S. Department
of Transportation

**Federal Aviation
Administration**

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

December 20, 2011

Mr. Ben Ennenga
R.A. Miller Industries, Inc.
14500 168th Ave.
P.O. Box 858
Grand Haven, MI 49417

Subject: TSO Authorization for Glide Slope (GS), Localizer (LOC), and Very High Frequency Omni Range (VOR) Antenna, Model AV-525

Dear Mr. Ennenga:

This is in response to your letters dated October 24, 2011, and November 29, 2011, requesting Technical Standard Order (TSO) Authorization for your Model AV-525 GS, LOC, and VOR Antenna.

The Statement of Conformance to TSO-C34e, TSO-C36e, and TSO-C40c, Incomplete System and the data submitted are accepted. Effective this date, you are authorized to identify the Model AV-525 GS, LOC, VOR Antenna with the marking requirements defined in 14 CFR 21.616(d)(e), and in TSO-C34e, TSO-C36e, TSO-C40c.

As required by the TSO, the following statement must be furnished with each manufactured unit:

“The conditions and tests required for TSO approval of this article are minimum performance standards. It is the responsibility of those installing this article either on or within a specific type or class of aircraft to determine that the aircraft installation conditions are within the TSO standards. TSO articles must have separate approval for installation in an aircraft. The article may be installed only if performed under 14 CFR Part 43 or the applicable airworthiness requirements.”

Your Quality Control System as defined in your Quality Policy Manual, revision E, dated October 17, 2010, is considered satisfactory for production of this equipment at your manufacturing facility in Grand Haven, Michigan.

Any design changes made to this TSO items must be forwarded to this office as outlined in 14 CFR 21.619 and your current agreement with this office for minor change submittals. Also, as recipient of this authorization, you are required to report any failure,

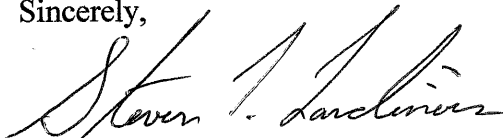
malfunction, or defect relating to this authorization in accordance with the provisions of 14 CFR 21.3.

This letter of TSO authorization is not transferable to another person or location and is effective until surrendered, withdrawn, or otherwise terminated by the FAA. The FAA may, upon notice, withdraw the TSO authorization of any manufacturer who identifies with a TSO marking any article not meeting the performance standards of the applicable TSO.

Please note that technical data retained by the FAA may be subject to Freedom of Information Act (FOIA) request. As such, this office will notify you of all such request pertaining to your data and afford you the opportunity to defend the release of the data.

If you have any further questions regarding this authorization or its supporting data, please contact Mr. Jonathan Kim at (847) 294-7011.

Sincerely,

A handwritten signature in cursive script, appearing to read "Steven L. Lardinois".

Steven L. Lardinois
Manager, Systems and
Flight Test Branch