



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

April 22, 2002

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

3960 Paramount Boulevard
Lakewood, California 90712-4137

Sandel Avionics Incorporated
Attn.: Mr. Gerry Block
2401 Dogwood Way
Vista, California 92083

Dear Mr. Block:

Sandel Avionics Incorporated, Terrain Awareness and Warning System (TAWS)
Class A, and Class B, and Multi-Purpose Electronic Display Unit
Technical Standard Order Authorization

Your application letters dated April 22, 2002, requesting the issuance of a Technical Standard Order (TSO) authorization in accordance with the procedural requirements of Federal Aviation Regulation (14 CFR) Part 21, Subpart O, has been reviewed. Based upon your data and statement of conformance certifying your article(s) has met the requirements of 14 CFR Part 21, Subpart O, and the minimum performance standards of TSO-C151a, and -C113b (Ref. 14 CFR § 21.605), authorization is hereby granted for the following.

<u>DESCRIPTION</u>	<u>PART NUMBER</u>	<u>SOFTWARE PART NUMBER</u>
ST3400 TAWS/RMI	ST3400-XXX	82002-SW01.02

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 Los Angeles Manufacturing Inspection 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, your authorization to use TSO procedures is extended to include the subject article(s). You may identify the article(s) with the applicable TSO markings as required by TSO-C151a, and -C113b.

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 Supervisor, 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 TSO approved articles.

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

Sincerely,

A handwritten signature in cursive script that reads "Carlton K. Woo".

Carlton K. Woo
Acting Manager, Technical and
Administrative Support Staff