



U.S. Department
of Transportation
**Federal Aviation
Administration**
FEB 15 2002

**Transport Airplane Directorate
Aircraft Certification Service**

1601 Lind Avenue S.W.
Renton, Washington 98055-4056

In Reply
Refer To: 130S-02-109

Ms Colleen Portch
Certification Services Administrator
Honeywell International Inc.
15001 NE 36th Street
P.O. Box 97001
Redmond, WA 98073-9701

Dear Ms. Portch:

Technical Standard Order (TSO) Approvals, TSO C92c, Authorization of Ground Proximity Warning Functions; TSO C151a, Class A, Authorization of Terrain Awareness and Warning System (TAWS) Functions Enhanced Ground Proximity Warning Computer (EGPWC) MK VI and MK VIII Part Numbers: 965-1176-010, 965-1186-010, 965-1206-010, 965-1216-010

Your certification that the following new Honeywell EGPWC Part Numbers (P/N) are in conformance with 14 Code of Federal Regulations (CFR), Part 21, Subpart O, as described in your letter, dated February 4, 2002, Ref 02FAA018, are acceptable. Your Quality Control Manual is considered adequate and is on file in the Manufacturing Inspection District Office, Renton, Washington.

EGPWC Type	Certification Baseline	Part Number
MK VI EGPWC	965-1176-008	965-1176-010
MK VI EGPWC (Internal GPS)	965-1186-008	965-1186-010
MK VIII EGPWC (Larger Memory Card)	965-1206-008	965-1206-010
MK VIII EGPWC (Internal GPS and Larger Memory Card)	965-1216-008	965-1216-010

The approval for TSO C92c applies to the performance, qualification testing, and software testing of the basic Ground Proximity Warning Computer (GPWC) functions in the EGPWC. The added features meet the same qualification testing and software testing of the GPWC.

The approval for TSO C151a, Class A, applies to the TAWS Functions. The TAWS meets the performance standards for a TSO C151a, Class A equipment. The added features meet the same qualification testing and software testing of the TAWS; however, the actual performance standards for additional features are not under this TSO.

They should be evaluated under the Supplemental Type Certification process and should be listed in the aircraft installation manual. A detailed functional description of the MK VI and MK VIII EGPWC is in the Product Specification, Document Number 965-1176-601. Details of interface and customer options are in the Interface Control Document (ICD), Document Number 993-1176-401.

The data received with your letter 02FAA018, dated February 4, 2002, to support this application has been reviewed and added to our files.

We also acknowledge the Federal Aviation Administration (FAA) Forms 8110-3 that were submitted with your letter, Reference Number 01FAA020, dated February 4, 2002, which approved the software accomplishment summary and other related data for this application.

Effective this date, you are authorized to use TSO procedures as prescribed by Subpart O of 14 CFR Part 21 and to identify the MK VI and MK VIII EGPWC Part Numbers: 965-1176-010, 965-1186-010, 965-1206-010, and 965-1216-010, with the applicable TSO markings as required by TSO-C92c and TSO C151a, Class A.

Any design changes made to the TSO EGPWC must be forwarded to this office as outlined in 14 CFR 21.611(a), with minor change submittal intervals not to exceed six months. As a TSO manufacturer, you are required to report to the FAA any failure, malfunction, or defect related to your TSO authorization within 24 hours in accordance with the provisions of 14 CFR 21.3. You must also notify the FAA when you no longer manufacture a TSO approved article as required by 14 CFR 21.613(b).

This authorization pertains only to the manufacturing operations at the above address, and this office must be notified in advance of any proposed relocation.

If you have any questions, please contact Ms. Sheila Mariano at (425) 227-2675.

Sincerely,



Lirio Liu-Nelson
Manager, Seattle Aircraft
Certification Office