



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

Engine & Propeller Directorate

Boston Aircraft Certification Office
12 New England Executive Park
Burlington, MA 01803-5299

DEC 28 2010

In reply refer to: TP/sn/12/28/2010-564a

Mr. Markus Görnemann
Certification Manager Parts & Appliances Section
European Aviation Safety Agency (EASA)
Postfach 10 12 53
D-50452 Cologne
Germany

Dear Mr. Görnemann:

This letter supersedes our subject letter dated November 02, 2010.

This letter refers to EuroAvionics Navigationssysteme GmbH & Co. KG letters dated 2010-08-23, by which they made application for Technical Standard Order (TSO) design approval. This letter also acknowledges receipt of EuroAvionics Navigationssysteme GmbH & Co. KG Statement of Conformance dated 2010-08-23, and of European Aviation Safety Agency (EASA) letters Reference EASA C1(2010)D/54298 and 54299, dated 07 September 2010, certifying in accordance with 14 CFR § 21.617, that the Digital Moving Map and Task Management System listed below complies with the requirements of TSO-C113 and TSO-C165, as designated in 14 CFR § 21.305(b).

Based on the EASA certification and receipt of the required data, we hereby accept EuroAvionics Navigationssysteme GmbH & Co. KG design approval to include the Digital Moving Map and Task Management System listed below for manufacture at EuroAvionics Navigationssysteme GmbH & Co. KG located at Karlsruher Strasse 91, 75179 Pforzheim, Germany.

<u>Approved Part/Model Number</u>	<u>Description</u>
P/N 210.001-(XXX)	Digital Moving Map and Task Management System, Euronav V
P/N 210.002-(XXX)	Digital Moving Map and Task Management System, Euronav V CM

This letter of TSO design approval, together with the EASA Certificate of Airworthiness for Export, will authorize EuroAvionics Navigationssysteme GmbH & Co. KG to identify the Digital Moving Map and Task Management System with the TSO marking requirements described in 14 CFR § 21.607(d), in TSO-C113, and in TSO-C165, and is issued in accordance with 14 CFR § 21.617, governing issuance of TSO design approval for import appliances. Each item must be accompanied by a Certificate of Airworthiness for Export issued by the EASA or a duly authorized designee/organization (14 CFR § 21.502(a)).

Any deviations from the established design approval should be accomplished in accordance with 14 CFR § 21.609. The request for approval to deviate, together with all pertinent data, should be submitted to the Federal Aviation Administration (FAA) through the EASA and should contain information to show that the particular deviation is compensated for by factors or design features providing an equivalent level of safety.

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.”

The following TSO-C113 deviations are approved:

- 1) Use of RTCA\DO-160D in lieu of RTCA\DO-160B.
- 2) Use of RTCA\DO-178B in lieu of RTCA\DO-178A.
- 3) Incomplete System per FAA Order 8150-1B, Paragraph 17.

The following TSO-C165 deviations are approved:

- 1) Use of serial number marking in lieu of the date of manufacture per FAA Memo PS-AIR100-8150.1B, dated June 13, 2003.
- 2) Incomplete System per FAA Order 8150-1B, Paragraph 17.

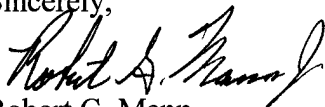
A letter of TSO design approval issued under 14 CFR § 21.617 is not transferable and is effective until surrendered, withdrawn or otherwise terminated by the FAA (14 CFR § 21.621).

The FAA may, upon notice, withdraw the letter of TSO design approval of any manufacturer who identifies with a TSO marking any article not meeting the performance standards of the applicable TSO (14 CFR § 21.619). The EASA airworthiness certification is essential to the determination that the item meets 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 requests pertaining to your data and afford you the opportunity to defend the release of the data.

If there are any questions, please feel free to have your staff contact Tony Pigott at (781) 238-7158.

Sincerely,

A handwritten signature in black ink, appearing to read "Robert G. Mann". The signature is written in a cursive style with a large, prominent initial "R".

Robert G. Mann

Manager, Boston Aircraft Certification Office,
ANE-150