



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

**Transport Airplane Directorate
Aircraft Certification Service**

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

APR 18 2002

In Reply
Refer To: 130S-02-236

Ms. Colleen M. Porch
Certification Services Administrator
Honeywell International, Inc.
15001 N.E. 36th Street
Redmond, WA 98052

RECEIVED

APR 19 2002

Dear Ms. Porch:

Technical Standard Order (TSO) C37d (Classes 3 and 5) and C38d (Classes C and E)
Approval for Honeywell International, Inc. RTA-44D VHF Data Radio
Part Number (P/N) 064-50000-2000

The Federal Aviation Administration (FAA) has received your letter, Reference 02FAA057, dated March 25, 2002, in which you certified that the Honeywell International, Inc. RTA-44D VHF Data Radio, P/N 064-50000-2000, meets the Federal Aviation Regulations (FAR) Part 21.611(a), and the standards of TSO's C37d (Classes 3 and 5) and C38d (Classes C and E). We also received your letter, Reference 01FAA298, dated November 13, 2001, with which you submitted software documentation and your letter Reference 02FAA088, dated April 15, 2002, in which you provided clarification of some of your submitted data. Your certification is acceptable. Your quality control manual has been previously approved by the FAA and is on file in the Seattle Manufacturing Inspection District Office (ANM-108S). The following documents, submitted with your letter, have been reviewed and added to our files in support of your application:

TSO Para.	TSO Requirement	Honeywell International Inc. Document
(c)(1)(i)	Operating instructions.	a. Document I.B. 1144-1, Revision 5, dated March 1, 2002 b. Document 998-2744-201, Revision New, dated February 17, 2000
(c)(1)(ii)	Equipment limitations.	a. Document I.B. 1144-1, Revision 5, dated March 1, 2002 b. Document 998-2744-201, Revision New, dated February 17, 2000
(c)(1)(iii)	Installation procedures and limitations.	Document I.B. 1144-1, Revision 05, dated March 1, 2002
(c)(1)(iv)	Schematic diagrams.	Document I.B. 1144-1, Revision 05, dated March 1, 2002
(c)(1)(v)	Wiring diagrams.	Document I.B. 1144-1, Revision 05, dated March 1, 2002

TSO Para.	TSO Requirement	Honeywell International Inc. Document
(c)(1)(vi)	Specifications.	<ul style="list-style-type: none"> a. Document 998-2858-200, Revision New, dated March 20, 2002 b. Document 998-2744-200, Revision New, dated February 10, 2000 c. Document 998-2744-201, Revision New, dated February 17, 2000 d. Document 064-50000, Revision AD, dated February 4, 2002
(c)(1)(vii)	List of components.	Specified in Honeywell letter Reference 02FAA057, dated March 25, 2002
(c)(1)(viii)	Environmental qualification form.	Document 076-0963-101, Revision New, dated January 21, 2002
(c)(1)(ix)	Software documentation.	<ul style="list-style-type: none"> a. Document 998-2858-150, Revision B, dated October 31, 2001 b. Document 998-2858-000, Revision A, dated March 26, 2002 c. Document 998-2858-140, Revision New, dated March 27, 2002 d. Document 998-2858-800, Revision New, dated March 27, 2002
Other	Nameplate drawings.	<ul style="list-style-type: none"> a. Drawing 620-1849, Revision D, dated June 15, 2001 b. Drawing 620-1890, Revision B, dated June 27, 2001

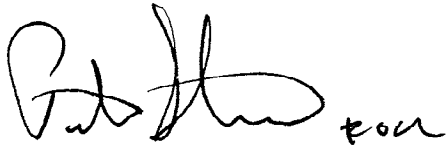
The RTA-44D VHF Data Radio incorporates ARINC 716 and ARINC 750 data mode features which are not required or addressed by the TSO's. The FAA did not evaluate these additional features beyond that required to ensure that they do not adversely affect the RTA-44D's compliance with the TSO requirements.

Effective this date, you are authorized to use TSO procedures as prescribed in Subpart O of FAR Part 21, and to identify the RTA-44D VHF Data Radio with the applicable TSO markings as required by TSO's C37d and C38d. This office must be notified of any design or manufacturing change to the RTA-44D VHF Data Radio as outlined in FAR Part 21.611(a), with minor change submittals 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 in accordance with the provisions of FAR Part 21.3. You must also notify the FAA when you no longer manufacture the TSO-approved article, as required by FAR Part 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. Susan Letcher at telephone (425) 227-2670.

Sincerely,

A handwritten signature in black ink, appearing to read "Lirio Liu Nelson", followed by a small, stylized mark that looks like "LNL".

Lirio Liu Nelson
Manager, Seattle Aircraft
Certification Office