



communications

Display Systems

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The FAA Central Regional Atlanta Aircraft
Certification Office Acknowledges

Receipt and

☒ accepts approval

☐ approves recommendation

☐ approves data

March 25, 2005

Mr. Myles Jalalian
Federal Aviation Administration/D.O.T
Atlanta Aircraft Certification Office
1895 Phoenix Blvd.
Suite 450
Atlanta, GA 30349

DER No.

8110-3 Date

4/19/05

Signature of FAA Engineer

Branch

Date

This data has been added to our files.

Subject: Request for Approval of change to Model Number for PVI-600™ MFD under TSO-C113, C105 and C119b - Part Number V63B010-00-(005)

Enclosures: Plan for Software Aspects of Certification for the PVI 600 MFD, Doc number V63B015-10-005, Rev A, dated December 21, 2004
Software Configuration Index for the PVI 600 MFD, Doc number V63B015-14-005, Rev C, dated February 16, 2005
Software Accomplishment Summary for the PVI 600 MFD Doc number V63B015-15-005, Rev B, dated February 16, 2005
FAA TSO Approval letter dated May 3, 2004

Dear Mr. Jalalian,

In order to meet the needs of our growing customer base, L-3 Communications Display Systems (L3DS) has completed a new configuration for our commercial aviation Multi-Functional Display (MFD). The Pilot Vehicle Interface Series 600 (PVI-600™) MFD part number V63B010-00-() received FAA approval to TSO-C105, TSO-C113, and TSO-C119b on May 3, 2004. We are now pleased to provide you the above listed documents and drawings in support of FAA approval of a revised configuration file for specific part number V63B010-00-005.

The PVI-600™ MFD V63B010-00-005 functionality has not changed. It supports the display of Traffic Alert and Collision Avoidance System (TCAS) data, Terrain Awareness Warning System (TAWS) data, LTN-92 Inertial Navigation System (INS) data, and ARINC 708A weather data. A revision to the configuration files adds the capability to display weather radar from the Rockwell Collins WXR-700 weather radar system. The WXR-700 radar uses the existing ARINC 708A format. The configuration file was changed to include the WXR-700 as a request from a new customer. Software regression and verification testing was completed and complies with RTCA DO-178B, Level B category requirements.

The PVI-600™ MFD with specific part number V63B010-00-005 meets all qualification testing according to FAA Technical Standard Order (TSO) C119b, TSO-C113, and TSO-C105 specifications by similarity to our original FAA approved PVI-600™ MFD model number V63B010-00-(). The PVI-600™ MFD meets Society of Automotive Engineers, Inc. (SAE) Aerospace Standard 8034, Radio Technical Commission for Aeronautics (RTCA) DO-178B and by similarity complies with all chapters of RTCA/DO-160D Environmental requirements.

At this time we are requesting a supplement to the original letter of authorization of the TSO-C113, TSO-C105, and TSO-C119b to approve the revised documents for specific part number V63B010-00-005.

PVI-600™ MFD
MODEL NUMBER

V63B010-00-()

<u>PART NUMBER</u>	<u>DESCRIPTION</u>	<u>OPERATING SOFTWARE</u>
		<u>PART NUMBER/VERSION</u>
V63B010-00-005	PVI-600™ MFD TCAS, TAWS, LTN-92	OFP V63A016-01-000, Version 2.1 DCP V63A016-05-000, Version 1.3 ABP V63A016-02-000, Version 1.0

The operating software part numbers and version numbers have not changed. Only the SCID and SAS documents have been revised to reflect the modified configuration file for the V63B010-00-005.

Mr. Tom Fancy, our consulting DER has reviewed all of the documentation and data items. His approval is indicated by signed Form 8110-3 bound with each document.

I hereby certify that the above listed component meets the requirements of the FAA TSO-C113, TSO-C105, TSO-119b, and SAE documents AS 8034 and ARP 4102/7.

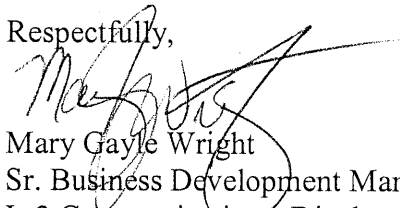
Our L3DS Quality Management Systems Manual, Doc number L3DS 130-001D, Revision 2, dated September 23, 2004 received FAA approval on September 28, 2004.

March 25, 2005

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Please feel free to call me at any time regarding this application. My contact information is given below. Thank you in advance for your time. A CD containing the program documents will be sent to you under separate cover.

Respectfully,

A handwritten signature in black ink, appearing to read 'Mary Gayle Wright', is written over the typed name and the first line of the address.

Mary Gayle Wright

Sr. Business Development Manager, Commercial Products

L-3 Communications, Display Systems

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