

GPS IFR FLIGHT TEST REPORT

(10/27/97)

GPS Model: _____ SN _____ Software: _____
Aircraft Model: _____ SN _____ Registration: _____

Initials

Conduct a functional flight evaluation by the installer covering the following items:

1. Verify overall operation of the installed GPS equipment, including interface with other equipment in the aircraft. _____
2. If coupled, verify the effect(s) of GPS equipment failure (open circuit breaker), including autopilot/flight director response. _____
3. If interfaced with an autopilot and / or flight director, verify proper steering response while the auto pilot and /or flight director is coupled to the GPS equipment. _____
4. Displayed GPS navigation parameters on all interfaced cockpit instruments. _____
5. The effects(s), if any, of switching and transfer functions, including electrical bus switching, pertaining to the GPS installation. _____
6. Evaluation to determine satisfactory electromagnetic compatibility (EMC) between the GPS installation and all other onboard equipment, including harmonic interference of VHF communication transceivers. _____
7. Evaluation of the accessibility and visibility (day and night conditions) of all controls pertaining to the GPS installation and if coupled, its compatibility with other equipment. _____
8. Verify continuity of navigation data during 360 degree left and right turns at 30 degrees bank. At no time during these maneuvers shall the GPS fail to provide navigation data. _____
9. Monitor displayed cross-track error during enroute, and if applicable, approach transition and approach operations to verify FTE is less than 1.0 nmi (enroute and approach transition) and 0.25 nmi (approach), both with and without use of the autopilot and flight director (if installed). _____

FOR EQUIPMENT APPROVED FOR APPROACH:

CONDUCT THREE PUBLISHED GPS INSTRUMENT APPROACHES USING APPROACH FIXES OBTAINED FROM THE INTERNAL DATABASE AND VERIFY PROPER OPERATION OF THE EQUIPMENT DURING APPROACH ENVIRONMENT.

APPROACH #1 NAME _____ RESULTS _____
APPROACH #2 NAME _____ RESULTS _____
APPROACH #3 NAME _____ RESULTS _____

I certify that the above recorded test flight information is correct and that the GPS equipment as installed meets the above listed performance requirements.

Installers Signature: _____ Date: _____
Pilot Signature: _____ Date: _____
Pilot License: _____