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NVG 180-Day Service Inspection

The following guidance is provided by the RTCA DO 275 as the minimum inspection standards recommended for Night Vision Goggles (NVGs). You can find the complete description and a list of performance standards in document RTCA/DO-275, Minimum Operational Performance Standards for Integrated Night Vision Imaging System Equipment, Oct. 12, 2001 and FAA Technical Standard Order (TSO) for night vision goggles (TSO-C164), Sept. 30, 2004.

NVG 180-Day Service Inspection

As with most technological devices, night vision goggles are required to have inspections periodically and needs to undergo regular services and repairs in order to maintain its worth, function and reliability. In this case, the FAA and NVG manufacturers recommend that NVGs must be inspected every 180 days.

The inspection will be a in depth procedure and will be conducted by experienced, highly trained and certified technicians that use calibrated testing equipment and state-of-the-art inspection, servicing and repair procedures.

This inspection should be conducted by a FAA approved Part 145 NVG Repair Station. As a consumer, please note that not all Part 145 NVG Repair Stations are equal in capability. Most NVG Repair Stations can only inspect your NVGs to the original manufacturers conformity specification. As of the date of this bulletin, only one NVG Repair Station could issue an FAA Form 8130 (Yellow Tag), which is Night Flight Concepts, Inc. in Waco, Texas. They are also authorized to remove and replace the parts of NVGs and to do repairs night vision imaging systems models such as:

- NIVISYS – NVAG series
- ITT – F4949 series
- L3 – M949 series (previously Litton & Northrup Grumman)

In the 180-day NVG service inspection, the following are inspected for their worth as well: battery pack, helmet mount adapter, goggle adjustment rages, gain, current draw, image distortion, high/low resolution, infinity focus, image intensifier, eyepiece diopter settings, binocular collimation, purge and low battery indicator.

If the NVG 180 inspection was conducted by an appropriately rated and capable Part 145 Repair Station, the NVG will be returned with a test data sheet, air worthiness compliance certificate and an NVG maintenance logbook.

BULLETIN



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