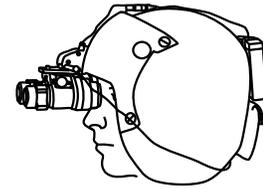




ATZQ-ATB-NS

**DEPARTMENT OF THE ARMY
NIGHT VISION DEVICES BRANCH
FORT RUCKER ALABAMA 36362-5000**



14 March 2012

MEMORANDUM FOR Record

SUBJECT: NVG Compatible Supplemental Lighting

1. Due to concerns for the safe operation of Army aircraft under NVGs and as a result of numerous requests from the field, NVD Branch has determined to publish procedures for checking compatibility with NVGs and produce a list of supplemental lights determined by the Branch to meet those requirements.
2. The Night Vision Devices Branch neither endorses nor recommends any of the lights in the list. The list is solely intended to provide individual aviators with a list of lights they can operate safely in an aviation environment. As more lights are determined to meet compatibility requirements, they will be added to the list.
3. The list is presented in alphabetical order by manufacturer. NSN information is provided where available, for informational purposes only. Lights determined NOT to pass the compatibility check and therefore deemed by NVD Branch unsafe for aviation use are in the second list.
4. The supplemental lighting check authorized for use in determining safety of use in the aircraft is as follows:
 - a. The check must be conducted at night, in an aircraft located in an area of low ambient light, such as an LZ, with interior lighting set for NVG operations, and with ANVIS prepared for use.
 - b. Position a reflective material (map sheet, note card, vinyl checklist) approximately 12 to 18 inches from the eyes.
 - c. Shine the supplemental light onto the material.
 - d. With the unaided eye, look at the resultant reflection cast on the windscreen. Observe this same reflection through the ANVIS. An acceptable supplemental light source will not interfere with the operator's ability to see outside the aircraft using NVGs. The reflection of the light source in the windscreen may even disappear. If the reflection, glare, or stray light interferes with the ANVIS aided vision of any crewmember the light source is unacceptable.
5. Lights determined by NVD Branch to pass the check are listed below:
 - a. Cejay Engineering:
 - i. Liplight MK 3 and MK 4 series in the following colors: 530 Green, 530 Green/White, NV Green, NV Green/White, IR/NVG
 - ii. Finger light MK1 and MK 10 series in the following colors: Bright Green, Blue, NV Green.

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- b. Insight: WMX200 series Weapon-Mountable light (IR in “dim” mode only)
 - c. OLIGHT (www.socalflashlights.com): M20 S2 Warrior Special Operations LED Flashlight;
 - d. Safe-Light Industries (www.safe-light.com): PALight Survival LED Flashlight; NSN: 6230-01-465-3982;
 - e. Seitz Scientific: All lip lights and finger lights produced by this manufacturer are designed to meet NVG compatibility requirements.
 - f. Wings (www.wings-aviation.com):
 - i. MK3-1B Lip Light
 - ii. MK4-1B Lip Light
 - iii. FliteLite lip light (Green or NVG White LED ONLY)
 - iv. FliteLite finger light (Green LED ONLY)
6. Lights determined by NVD Branch NOT to pass the compatibility check are as follows:
- a. Cejay Engineering:
 - i. Liplight MK 3 and MK 4 series in the following colors: IR, Red, White
 - ii. Finger light MK1 and MK 10 series in the following colors: IR, Red, White, Amber
 - b. OLIGHT: M3X Triton.
 - c. Wings: FliteLite lip light (White LED ONLY)
7. POC is the undersigned at 5-9545.

///ORIGINAL SIGNED///
KEITH BARKER
CW4, USA
NVD Branch Chief