



U.S. Department
of Transportation
Federal Aviation
Administration

Compliance & Airworthiness Division
Aircraft Certification Service
Chicago ACO Branch
2300 E. Devon Avenue, Room 107
Des Plaines, IL 60018

July 13, 2023

Mr. Ash Vij
Guardian Avionics L.L.C.
1951 East Airport Drive.
Tucson, AZ 85756

Dear Mr. Vij,

This is in response to your letter dated June 13, 2023 requesting Non Required Safety Enhancing System (NORSEE) approval of your Guardian Carbon Monoxide CO Detector systems. This is based on the data presented in OWNERS MANUAL Document No. 453/454N, Revision Original, Dated 06-01-2023, Deign Standard CO Detector Model 453/454N, Revision A, Dated 6-18-23, and drawings submitted via email on June 13, 2023.

We acknowledge your statement certifying that your Guardian Carbon Monoxide CO Detector systems meet the requirements of FAA Policy PS-AIR-21.8-1602 for Non Required Safety Enhancing Equipment (NORSEE) and is produced under a quality system that satisfies the requirements of the same policy. The FAA requires you have a quality manual that verifies your quality system and follows the guidance outlined in the NORSEE policy. Based on our acceptance of your statement and 14 CFR 21.8(d), we authorize the manufacturing of your equipment as detailed by the part numbers that are shown in the following table.

It is essential for installers of the above equipment to understand that FAA has not evaluated installation of the NORSEE equipment, NORSEE is a strictly a production approval. Installation must be accomplished either as a minor alteration or major alteration substantiated by FAA approved data such as field approval, follow on STC or other form of FAA approved installation data. It is also critical for users of the above equipment to understand that NORSEE is considered secondary or non-essential to the required equipment. It is vital for the pilot in command to understand its functionality, limitations, and intent to provide only additional, non-contradictory information. It is the pilot's responsibility to use basic airmanship to operate the aircraft safely with or without the aid of NORSEE.

This approval is based on the authorized functions as stated in the above table. Uses outside of this authorized function have not been reviewed by the FAA to comply with the requirements of FAA Policy PS-AIR-21.8-1602 and may require additional evaluation. It should also be noted that NORSEE production approval does not grant Installation Approval, Parts Manufacturer Approval (PMA) or Technical Standard Order Authorization (TSOA).

We also accept the statement that your quality system meets the requirements of FAA Policy PS-AIR-21.8-1602. We authorize production of this NORSEE equipment at your facility located at 1951 East Airport Drive, Tucson, AZ 85756.

All major components of the articles produced under this approval must be permanently and legibly marked with the authorization holder's name, or trademark, or symbol, the part number and "14 CFR 21.8(d)".

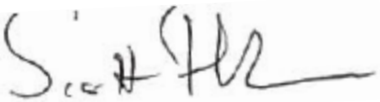
<u>Model</u>	<u>Part Number</u>	<u>Authorized Function</u>	<u>Approved Replacement for</u>	<u>FAA Approval Basis and Approved Design Data</u>	<u>Installation Eligibility:</u>
CO Panel Mount	453-101	CO Detector	Alteration Part	FAA memorandum number PS-AIR-21.8-1602 Drawing: 200 Rev.: H Date: 9/16/2016 or later FAA-approved revisions	Provided that the requirements of 14 CFR Part 1.1 and 14 CFR Part 43 Appendix A are met and the installation does not detrimentally obstruct the pilots view of required instrumentation, equipment may be installed as a minor alteration on Aircraft Certified under 14 CFR Part 23 or precursor regulations, as outlined in FAA memorandum number PS-AIR-21.8-1602.
CO Remote Mount	453-201	CO Detector	Alteration Part	FAA memorandum number PS-AIR-21.8-1602 Drawing: 200 Rev.: H Date: 9/16/2016 or later FAA-approved revisions	
CO Panel Mount	454N-101	CO Detector	Alteration Part	FAA memorandum number PS-AIR-21.8-1602 Drawing: 200 Rev.: H Date: 9/16/2016 or later FAA-approved revisions	
CO Panel Mount	454N-201	CO Detector	Alteration Part	FAA memorandum number PS-AIR-21.8-1602 Drawing: 200 Rev.: H Date: 9/16/2016 or later FAA-approved revisions	
CO Panel Mount	454N-201	CO Detector	Alteration Part	FAA memorandum number PS-AIR-21.8-1602 Drawing: 200 Rev.: H Date: 9/16/2016 or later FAA-approved revisions	

You must allow the FAA to inspect your quality system, facilities, technical data, and any manufactured articles and witness any tests, including any inspections or test at a supplier facility, necessary to investigate any service difficulty or possible non-compliance with FAA Policy PS-AIR-21.8-1602. Any service difficulties with the equipment should be reported to the Central Region ACO.

You must notify the FAA before making any changes to the location of any of your manufacturing facilities, company name or ownership. This approval is transferable to another U.S. manufacturer subject to the transferee complying with the NORSEE policy PS-AIR-21.8-1602 (or later policy revision) and design approval holders responsibilities stated in this letter of authorization.

This approval is effective until surrendered, withdrawn or otherwise terminated by the FAA. If you have any questions, please call Scott Fohrman, at (847) 294-7136, fax (847) 294-7834, email Scott.Fohrman@faa.gov.

Sincerely,



Handwritten signature of Roy E Boffo III in black ink, appearing as 'Scott Fohrman'.

Roy E Boffo III
Manager, Propulsion and Program Management Branch
Chicago Aircraft Certification Branch
Federal Aviation Administration