



U.S. Department
of Transportation
**Federal Aviation
Administration**

Aircraft Certification Service
Compliance & Airworthiness Division

Chicago ACO Branch
2300 East Devon Avenue
Des Plaines, IL 60018

November 12, 2020

Mr. Georg Hartl
Administrator Quality and Certification
Aveo Engineering LLC
4863 NW. Palm Coast Pkwy
Palm Coast, FL 32137

Dear Mr. Hartl:

We received your letters dated October 28, 2020 and November 04, 2020 in support of your application for NORSEE approval of your AveoPure Ultra Violet Light System. We also received the following updated documents – SafeSpace Control Box AVE-SSCB-IM Issue 01 dated October 29, 2020, CabinPure Tuff AVE-HPTVCS-IM Issue 01 dated October 29, 2020, CabinPureVC AVE-HPVCS Issue 01 dated October 29, 2020 and AveoPure Installation Instructions AVE-AP-01-INS Issue 01 dated October 29, 2020.

We acknowledge your data submission of November 04, 2020 with your statement certifying your AveoPure Ultra Violet Light System meets the design and performance requirements of your SafeSpace Control Box AVE-SSCB-IM Issue 01, CabinPure Tuff AVE-HPTVCS-IM Issue 01, and CabinPureVC AVE-HPVCS Issue 01 and AveoPure Installation Instructions AVE-AP-01-INS Issue 01 and 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 shown in the following table:

<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>
SafeSpace Control Box	AVE-SSCB-AC	UV Light Control Box NOTE: the UV light System may only be operated while the aircraft is on the ground and not occupied.	Alteration Part	FAA memorandum number PS-AIR-21.8-1602 and Drawing: AVE-SSCB-IM Issue: 01 Date: 10/29/2020 or later FAA-approved Revisions	Provided 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.

<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>
CabinPur e Tuff UV Lights	AVE-CPTUVCx- Dyz where x = case color y = UV wavelength z = UV lens	Ultra Violet Lights	Alteration Part	FAA memorandum number PS-AIR-21.8-1602 and Drawing: AVE-HPTVCS-IM Issue: 01 Date: 10/29/2020 or later FAA-approved Revisions	Provided 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.
CabinPur e VC UV Lights	AVE-CPUVCx- DyA where x = case color y = UV wavelength	Ultra Violet Lights	Alteration Part	FAA memorandum number PS-AIR-21.8-1602 and Drawing: AVE-HPVCS-IM Issue: 01 Date: 10/29/2020 or later FAA-approved Revisions	Provided 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.

It is 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 Aveo Engineering LLC production facility located at 4863 NW. Palm Coast Pkwy, Palm Coast, FL, 32137.

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)".

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 Chicago ACO Branch.

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 John Raspanti, at (847) 294-7379, fax (847) 294-7834, email john.raspanti@faa.gov.

Sincerely,

John Raspanti
Aerospace Engineer/Program Manager,
Chicago ACO Branch,
Propulsion and Program Management section,
AIR-7C3