



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

Aircraft Certification Service
Compliance & Airworthiness Division

Central Certification Branch
1801 Airport Road, Rm 100
Wichita, KS 67209

Date: See Digital Signature

Christian R. Nielsen
Aveo Engineering LLC
5013 South Louise Avenue
Sioux Falls, SD 57108

Dear Mr. Nielsen:

This is in reply to the letter sent by Axiom Aerospace LLC on your behalf dated November 20, 2024, requesting Technical Standard Order (TSO) authorization for your RedBaron HISL 1000 Light. We accept your statement certifying that your article meets the requirements of TSO-C96b and that you meet the requirements of Title 14 Code of Federal Regulations Part 21 Subpart O. We also accept the data you submitted in support of the non-TSO functions listed in Attachment 1 on a non-interference basis. Effective this date, we authorize you to identify the following HISL 1000 Lights with the marking requirements defined in 14 CFR 45.15(b) and in TSO-C96b.

Model Number	Part Number	Description
RedBaron HISL 1000 Red	AVE-RBH1ACR-G01 Mod ()	Red strobe LED lighting system
RedBaron HISL 1000 White	AVE-RBH1ACW-G01 Mod ()	White strobe LED lighting system
RedBaron Combo HISL 1000	AVE-RBH1ACWR-T01 Mod ()	Red/White strobe LED lighting system

We acknowledge AVE-RBH1ACR-G01 Mod (), AVE-RBH1ACW-G01 Mod (), and AVE-RBH1ACWR-T01 Mod (), as the first part numbers in the series.

We consider your quality system, as defined in the Aveo Engineering Quality Assurance Manual, Issue 06, dated October 7, 2022, satisfactory for production of this article at your Palm Coast, Florida facility.

You must provide one copy, or online access, to data listed as a furnished data requirement in the TSO to the original owner/installer of each article or multiple articles if furnished to one source (e.g. an operator, type certificate holder, or repair station).

The following statement must be furnished with each manufactured unit:

“The conditions and tests for required for TSO approval of this article are minimum performance standards. Those installing this article, on or in a specific type or class of aircraft, must determine that the aircraft installation conditions are within the TSO standards which include any accepted integrated non-TSO functions. TSO articles and any accepted integrated non-TSO function(s) must have separate approval for installation in an aircraft. The article may be installed only according to 14 CFR part 43 or the applicable airworthiness requirements.”

This TSO authorization, issued under 14 CFR 21.611, is effective until surrendered, withdrawn or otherwise terminated under the provisions of 14CFR 21.613. With notice, we may withdraw this TSO authorization if articles are not in compliance with the applicable TSO performance standards per 14 CFR 21.2.

You must obtain FAA approval prior to making any changes to the location of your manufacturing facilities pursuant to 14 CFR 21.609(b).

Without further FAA approval, we don't allow manufacturers to mark articles after they change their company's name, address, or ownership. You must notify the Certification Branch and Certificate Management Section of name, address, or proposed ownership changes.

Per 14 CFR 21.614, a holder of a TSOA may not transfer it. If you wish to transfer it, you must request a transfer from the FAA.

Send to the office below any design change(s) for this TSO article as outlined in 14.CFR 21.619(a). You should notify us of minor design changes within 60 days. Also, as recipient of this authorization, we require you to report any failure, malfunction, or defect relating to articles produced under this authorization in accordance with the provisions of 14 CFR 21.3.

Please note that technical data the FAA retains may be subject to Freedom of Information Act (FOIA) requests. This office will notify you of any request(s) pertaining to your data and give you the opportunity to protect the data from public disclosure.

If you have any questions regarding this approval, please contact Michael Mueller, (847) 294-7543 or email michael.j.mueller@faa.gov.

Sincerely,

FOR: Paul Nguyen
Manager, Central Certification Branch
Compliance & Airworthiness Division
Aircraft Certification Service