



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

Aviation Safety

800 Independence Ave., SW.
Washington, DC 20591

DEC 17 2019

William Jen
Certification Manager, Redbird Flight Simulations, Inc.
2301 East St. Elmo Rd., Suite 100
Austin, TX 78744

Dear Jen:

The Federal Aviation Administration (FAA) last qualified and approved your airplane Redbird Flight Simulations, Inc. models TD and TD2 as a Basic Aviation Training Device (BATD) on October 24, 2018 in accordance with Title 14, Code of Federal Regulations (14 CFR) 61.4(c).

Review of the revised Qualification and Approval Guide (QAG) version 3.1B dated December 3, 2019 validates the current standards and criteria for approval as provided in Advisory Circular (AC) 61-136, *FAA Approval of Aviation Training Devices and Their Use for Training and Experience*. The Redbird Flight Simulations, Inc. models TD and TD2 airplane BATD is authorized for use in satisfying the following sections of parts 61 and 141:

Redbird Flight Simulations, Inc. models TD and TD2
Airplane Single Engine Land
Basic Aviation Training Device (BATD)

- § 61.51(b)(3) – Logbook entries;
- § 61.51(h) – Logging training time;
- § 61.57(c) – Instrument experience;
- § 61.65(i) – Instrument rating: not more than 10 hours;
- § 61.109(k)(1) – Private Pilot Certificate Aeronautical experience: up to 2.5 hours;
- § 141.41(b) – Approved for use under the part 141 appendices as follows:
 - *Appendix B* – Up to 15% towards the total Private Pilot training time requirements; and
 - *Appendix C* – Up to 25% toward the total Instrument training time requirements.

Note: Minimum training or experience requirements for cross country, night, solo, takeoffs and landings, and the 3 hours of training with an authorized instructor in preparation for the practical test within the preceding 2 calendar months from the month of the test must be accomplished in an aircraft. Private Pilot Airplane applicants must also complete the minimum requirement for 3 hours of control and maneuvering of an airplane solely by reference to instruments specified in § 61.109 in an airplane. Additionally, no portion of the practical test, type specific training credits, or an Instrument Proficiency Check can be conducted in a BATD.

This approval is contingent upon the following conditions and limitations:

- (1) This ATD must maintain its performance and function without degradation. The minimum instrument requirements specified under § 91.205 for day visual flights rules (VFR) and instrument flight rules (IFR) must be functional during the training session;
- (2) Only the aircraft make/model and configurations that are in the approved QAG can be utilized. A copy of the FAA approved QAG detailing the approved makes, models, and configurations must be provided to the operator and be readily available when the BATD is in use;
- (3) A copy of this letter of authorization (LOA) must be readily available in a location near the device when in use. Additionally, a copy must be provided to the person using the above credits for pilot certification or ratings;
- (4) When used for instructional purposes, only an appropriately qualified FAA-certificated flight instructor may make any subsequent endorsements and/or pilot logbook entries. Pilot time in an ATD may be logged as instruction received, instrument time, or total time only. See FAA airman application 8710-1;
- (5) Any changes or modifications to this ATD which have not been individually reviewed, evaluated, and approved in writing by the General Aviation and Commercial Division (AFS-800) will terminate this LOA; and
- (6) The FAA reserves the right to withdraw this LOA at any time if the Administrator determines that this ATD has been used in a manner contrary to the conditions and limitations described within this LOA FAA regulation, guidance, or safety.

This approval is valid for sixty (60) calendar months from the date of this letter. Any requests for a new LOA should be made in writing to AFS-800 at least 90 days in advance of expiration. The General Aviation and Commercial Division may require a review of the QAG, an on-site functional evaluation, and verification of all the requirements as described in FAA Order 8900.1 Volume 11, Chapter 10, Section 1, *Approval, Oversight, and Authorized Use Under 14 CFR Parts 61 and 141* before a new LOA is issued.

This approval expires on December 31, 2024.

The enclosed signed QAG is approved and a copy of this letter is retained in our files.

Sincerely,

SHAWN Digitally signed by
SHAWN M HAYES
M HAYES Date: 2019.12.17
16:03:09 -05'00'

Shawn M. Hayes
Manager, Airman Training and Certification Branch
General Aviation and Commercial Division