U.S. Department
of Transportation
Federal Aviation Administration

Aviation Safety

800 Independence Ave. SW
Washington, DC 20591

July 18, 2023

Eduardo Schwencke
Head of FSTD Evaluations
ELITE Simulation Solutions
Im Schörli 1
8600 Dübendorf
Switzerland

Dear Mr. Schwencke:

The Federal Aviation Administration (FAA) last qualified and approved your helicopter model TH-100 as an Advanced Aviation Training Device (AATD) on July 23, 2018 in accordance with Title 14, Code of Federal Regulations (14 CFR) § 61.4(c).

Review of the Qualification and Approval Guide (QAG) dated October 15, 2012 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 ELITE Simulation Solutions model TH-100 helicopter AATD is approved for use in satisfying the following sections of parts 61 and 141:

ELITE Simulation Solutions Model TH-100
Rotorcraft-Helicopter
Advanced Aviation Training Device (AATD)

- § 61.51(b)(3) – Logbook entries;
- § 61.51(h) – Logging training time;
- § 61.57(c) – Instrument experience;
- § 61.57(d)(1) – Instrument proficiency check, per the Instrument ACS;
- § 61.65(i) – Instrument rating up to 20 hours;
- § 61.129(i)(1)(ii) – Commercial Pilot Certificate: up to 25 hours;
- § 61.161(b)(2) – Airline Transport Pilot Certificate: up to 25 hours; and
- § 141.41(b) – Approved for use under the Part 141 Appendices as follows:
  - *Appendix C* – Up to 40% toward the total instrument training time requirements;
  - *Appendix D* – Up to 20% toward the total Commercial Pilot training time requirements;
  - *Appendix E* – Up to 25% toward the total Airline Transport Pilot training time requirements;
  - *Appendix F* – Up to 5% toward the total Flight Instructor training time requirements;
  - *Appendix G* – Up to 5% toward the total Flight Instructor instrument training time requirements;

Expires 07/31/2028

- *Appendix I,* Private Pilot adding Rotorcraft Category and Helicopter Class Rating Course - Up to 3 hours toward the training time requirements;
- *Appendix I,* Commercial Pilot adding Rotorcraft Category and Helicopter Class Rating Course - Up to 5 hours toward the training time requirements;
- *Appendix I,* Airline Transport Pilot adding Rotorcraft Category and Helicopter Class Rating Course - Up to 6.25 hours toward the training time requirements; and
- *Appendix M,* Up to 25% toward the total Combined Private Pilot Helicopter Certification and Instrument Rating training time requirements.

Based on the on-site evaluation and the allowance provided by §61.4, the administrator has determined that the ELITE Simulation Solutions model TH-100 is approved to provide up to a maximum of 7.5 hours of credit for the aeronautical experience requirements for the Private Pilot helicopter certificate specified in 14 CFR part 61 and 141, applicable to the areas of operations and tasks specified in the helicopter certification standards. An authorized instructor must provide the training appropriate to the category and class (Rotorcraft-Helicopter).

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. No portion of the practical test or type specific training credit can be conducted in an AATD. Additionally, the flight portion of a flight review specified in § 61.56(a) cannot be accomplished in an AATD.

This approval is contingent upon the following conditions and limitations:

(1) This AATD must maintain its performance and function without degradation. The minimum instrument requirements specified under § 91.205 for day visual flight 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 AATD 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 AATD which have not been individually reviewed, evaluated, and approved in writing by 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 AATD 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 by the aviation training device manufacturer to The General Aviation and Commercial Division 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 AATD 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 07/31/2028.

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

Sincerely,

EVERETTE C ROCHON JR Digitally signed by EVERETTE C ROCHON JR Date: 2023.07.18 21:38:14 -04'00'

Everette C. Rochon, Jr.
Manager, Training and Certification Group
General Aviation and Commercial Division

Enclosure