



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

800 Independence Ave., SW.
Washington, DC 20591

SEP 13 2012

Ryan Rademaker
Aeronautical Engineering Support
Frasca Flight Simulation
906 East Airport Road
Urbana, IL 61802-7407

Dear Mr. Rademaker:

The Federal Aviation Administration (FAA) qualified and approved your model Frasca TruFlite device as an Advanced Aviation Training Device (AATD) in accordance with Title 14 Code of Federal Regulations (14 CFR) section (§) 61.4(c).

The on-site functionality test conducted on August 27th, 2012 verified that the Frasca model TruFlite device meets the FAA Administrator's airplane AATD approval criteria. The Frasca model TruFlite is approved as an AATD and authorized for use in satisfying the following sections of 14 CFR parts 61 and 141:

**Frasca Model TruFlite (Doc. #CERT165324 Revision D)
Single and Multiengine Land
Advanced Aviation Training Device (AATD)**

- § 61.51(b)(3)(iii) & (h) - Simulated instrument conditions; Logging training time
- § 61.57(c)(2) - Instrument Experience;
- § 61.57(c)(4)(iii) - Instrument Experience;
- § 61.57(c)(5)(ii) - Instrument Experience;
- § 61.57(d)(1)(ii) - Instrument Proficiency Check, per FAA-S-8081(latest version);
- § 61.65(h)(2) - Instrument Rating: Up to 20 Hours;
- § 61.109(k)(1) - Private Pilot Certificate: Up to 2.5 Hours;
- § 61.129(i)(1)(i) - Commercial Certificate: Up to 50 Hours;
- § 61.159(a)(3)(i) - Airline Transport Pilot Certificate: Up to 25 Hours;

- § 141.41(b) - Approved for use under the Part 141 Appendices as follows:
 - Appendix B* - Up to 2.5 hours towards the total *Private Pilot* flight training time requirements
 - Appendix C* - Up to 40% towards the total *Instrument Rating* flight training time requirements;
 - Appendix D* - Up to 20% towards the total *Commercial Pilot* flight training time requirements;
 - Appendix E* - Up to 25% towards the total *Airline Transport Pilot* flight training time requirements;
 - Appendix F* - Up to 5% towards the total *Flight Instructor* flight training time requirements;
 - Appendix G* - Up to 5% towards the total *Flight Instructor Instrument* flight training time requirements;
 - Appendix I* - *Private Pilot Airplane Single Engine or Multiengine Class Rating Course*- Up to 3 hours towards the required flight training time requirements;

Appendix I - Commercial Pilot Airplane Single Engine or Multiengine Class Rating Course- Up to 11 hours towards the required flight training time requirements;

Appendix I - Airline Transport Pilot Airplane Multiengine Class Rating Course - Up to 6.25 hours towards the flight training time;

Appendix M - Combined Private Pilot Certification and Instrument Rating - Up to 25% towards the total flight training time requirements

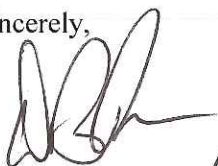
This approval is contingent upon the following:


- (1) This aviation training device must continue to maintain its performance and function without degradation;
- (2) A copy of this approval letter must be readily available in a location near the device;
- (3) An authorized instructor must provide and certify the above instructional use;
- (4) Any changes or modifications to this device which have not been reviewed, evaluated and approved by AFS-800 will cause FAA's approval to become null and void; and
- (5) The FAA reserves the right to revoke this authorization at any time if the Administrator determines that this training device is being used contrary to FAA regulation or safety.

This approval is valid for sixty (60) calendar months from the date of this letter. Renewal requests should be made prior to the expiration [90 days in advance] by letter to AFS-800 and the above contingencies (1) through (5) remain valid. AFS-800 will review the QAG to determine if the device meets the current guidelines for approval.

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

Sincerely,



Melvin O. Cintron 
Manager, General Aviation and Commercial Division

Frasca TruFlite

Advanced Aviation Training Device

QUALIFICATION AND APPROVAL GUIDE (QAG)

WITH CONFIGURATION OPTIONS LISTED IN SECTION C.2

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FAA APPROVED QAG

Date *9/12/2012*

Signature *[Handwritten Signature]*

Jeffrey Smith
Manager, Airmen Certification and Training Branch AFS-810