



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

800 Independence Ave., SW.
Washington, DC 20591

JUL - 1 2010

Mr. Jerome N. Gregoire
Redbird Flight Simulations, Inc.
8313 W Highway 71
Suite 300
Austin, Texas 78735-8107

Dear Mr. Gregoire:

This is in response to your request for Federal Aviation Administration (FAA) approval of the revised Qualification and Approval Guide (QAG) for the Redbird Flight Simulations, Inc. (Redbird) "LD" model, "SD" model, "FMX" model advanced aviation training device (AATD) dated March 1, 2010. Based on the previously approved QAG dated March 1, 2010 and the on-site functionality evaluation of SR20/22-XX-G001 configuration conducted by the FAA Consensus Evaluation Team on June 29 - 30, 2010, the Redbird "LD", "SD" and "FMX" model training device is approved as AATD with all of the additional configurations as identified on the QAG dated March 1, 2010.

As an AATD, this device is authorized for use in satisfying Tasks/Maneuvers, and Procedures under the following sections of Title 14 Code of Federal Regulations parts 61 and 141:

Redbird "LD," "SD" and "FMX" models

Advanced Aviation Training Device

Configurations: Generic Complex Single-Engine Land, C172-XX-S001, C172-XX-G001, C182-XX-S001, C182-XX-G001, PA28A-XX-S001, PA28R-XX-S001, BE58-XX-S001, PA34-XX-S001, PA44-XX-S001, SR22-XX-G001, and SR20-XX-G001.

- Section 61.51(b)(3) - Logged Flight Experience
- Section 61.57(c)(2) - Instrument Experience
- Section 61.57(d)(1)(ii) - Instrument Proficiency Check, per FAA-S-8081-4 (latest version)
- Section 61.65(e)(2) - Instrument Rating: Maximum 20 Hours
- Section 61.65(a)(8) - Instrument Rating: Practical Test, as allowed under FAA-S-8081-4 (latest version)
- Section 61.109(k)(1) - Private Pilot Certificate: Maximum 2.5 Hours
- Section 61.129(i)(1)(i) - Commercial Certificate: Maximum 50 Hours
- Section 61.159(a)(3)(i) - Airline Transport Pilot Certificate: Maximum 25 Hours
- Section 141.41(b) - Approved for use as limited by Part 141 Appendices
- Section 141.55(d) - Approved for use to the extent as allowed within the FAA-approved training curricula
- Section 141.57 - Approved for use to the extent as allowed within the FAA-approved special training curricula

This approval is contingent upon the following:

- (1) This device, when in use, continues to maintain its performance, function, and other characteristics to ensure its ability to adequately perform the listed tasks/maneuvers or procedures authorized have not deteriorated;
- (2) The jurisdictional Flight Standards District Office's receipt of annual reports regarding the status and continued use of the device from the operator;
- (3) A copy of this authorization and approval must be posted in a location near the device when in use so as to be readily available to the users when operated as authorized;
- (4) An authorized instructor must certify the above instructional use;
- (5) Any changes or modifications to these devices which have not been reviewed, evaluated, and approved by the FAA's General Aviation and Commercial Division (AFS-800) will cause FAA's approval to become null and void; and,
- (6) This authorization is valid until modified or rescinded by AFS-800.

The enclosed QAG is marked FAA-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