



5700 Dot Com Court
Suite 1010
Oviedo, FL 32765-3400

April 9, 2009

Federal Aviation Administration
ATTN: AFS-800
800 Independence Ave SW
Washington DC 20591

SUBJECT: Request for Evaluation and Approval of a Helicopter Advanced ATD

Reference: AC 61-136

Dear Lance,

ELITE Simulation Solution requests an evaluation of its Helicopter, Model S623 Evolution, Serial Number 70000 proposed advanced aviation training device (AATD) for approval by the Federal Aviation Administration (FAA) at Orlando, Florida. The device is fully described in the accompanying Qualification and Approval Guide (QAG), descriptive literature and performance attribute attributes and photographs. This device has been evaluated by the manufacturer and is believed to adequately meet the applicable requirements for approval as an AATD. Appropriate hardware and software configuration control procedures have been established and are listed for your review and approval.

The following ELITE Simulation Solution personnel have assessed this device:

Name: John Dixon

Qualification: Commercial and Instrument Rotorcraft-Helicopter; US Army Aviation (Ret)

Title: President and CEO

Name: Stephen Gatlin

Qualification: Commercial, Instrument, AGI, SEL and MEL Airplane

Title: Director of Marketing

Who attest that:

It conforms to the generic class of rotary wing aircraft, single engine, turbine, modeled after the Eurocopter AS 350B and that the simulated systems and subsystems function equivalently to those found in that aircraft;

The performance and handling qualities have been assessed and have been determined to adequately represent the designated category and class of aircraft; and

The device contains the following design features significantly beyond those required for a basic aviation training device (BATD). Examples include: hard shell cockpit enclosure designed from the AS 350; life sized instrumentation with correct scan patterns that adjust at the instrument as does their real-world counterpart, dual seating, adjustable anti torque pedals and flight controls with correct ergonomics and spatial orientation to knobs, switches levers and controls. Another distinguishing feature is 120 degree external visual system “off the nose” with additional pilot chin bubble external view that provides essential cues for landing, hovering, autorotations, confined area landing, high and low recons, pinnacle landings, turns about the nose, mast or tail and decelerations.

Sincerely,

John Dixon
President/CEO

Enclosure – QAG for ELITE Helicopter Model S623

The performance and handling qualities have been assessed and have been determined to adequately represent the designated category and class of aircraft; and

The device contains the following design features significantly beyond those required for a basic aviation training device (BATD). Examples include: hard shell cockpit enclosure designed from the AS 350; life sized instrumentation with correct scan patterns that adjust at the instrument as does their real-world counterpart, dual seating, adjustable anti torque pedals and flight controls with correct ergonomics and spatial orientation to knobs, switches levers and controls. Another distinguishing feature is 120 degree external visual system "off the nose" with additional pilot chin bubble external view that provides essential cues for landing, hovering, autorotations, confined area landing, high and low recons, pinnacle landings, turns about the nose, mast or tail and decelerations.

Sincerely,

A handwritten signature in black ink, appearing to read 'John Dixon', with a large, stylized initial 'J' and 'D'.

John Dixon
President/CEO

Enclosure – QAG for ELITE Helicopter Model S623