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November 3, 2014

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

SUBJECT: Request for Evaluation and Approval of a Helicopter Advanced ATD, Model TH-22

Reference: AC 61-136

Dear Mr. Bernard,

ELITE Simulation Solution requests an evaluation of its Helicopter, Model TH-22, Serial Number 76000 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 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 Solutions personnel have assessed this device:

Name: John Dixon

Qualification: Commercial, Instrument Rotorcraft-Helicopter; US Army Aviation (Ret); Master Aviator Award

Title: President and CEO

Name: Brian Jenkins

Qualification: Commercial, Instrument Airplane (SE&ME); AGI, A&P

Attest that:

It conforms to the generic class of rotary wing aircraft, single engine, piston, modeled after the Robinson R22 Beta 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: open cockpit with skid design, system switches that mimic form and function of the R22 piston helicopter; life sized instrumentation with correct scan patterns , dual seat (adjustable), dual controls, anti- torque pedals and flight controls with correct ergonomics and spatial orientation to knobs, switches, buttons, levers and controls. The standard visual scenery display is three 55 inch LCD TV in portrait mode which provide 120 degree field of view visual system "off the nose". All external visual displays provide 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', written over a horizontal line.

John Dixon
President/CEO

Enclosure – QAG for ELITE Helicopter Model TH-22