# JTF-13 Basic Fighter Qualification

# Performance Test Administrator's Guide

# AH-64D Pilot

**V 1.01**

## ➢ Demonstration of basic systems and startup knowledge procedures

- Battery on
- APU on
- INS alignment
- Turn on Radar Altimeter
- Set AC parameters as desired
- Set fuel
- Set comms as briefed
- Set up TSD as desired
- Boresight IHADSS
- Crank left engine, monitor engine and engine sys pages for anomalies
- Crank right engine, monitor engine and engine sys pages for anomalies
- Set CMWS
- At oil pressure <70 PSI, slowly raise power to fly
- APU off

## ➢ Hover Control

- **Hover Check**
  - Compensate for torque as collective is slowly raised. Bring aircraft to a 5-10ft hover and trim (if operating from runway touching back down)

- **Hover Skill Demonstration**
  - Demonstrate ability to slide left and right while keeping the nose forward
  - Demonstrate ability to move around a square area while keeping the nose pointed inboard (hover flight)
  - IP may ask for additional demonstration if desired

- **Normal Taxi & Takeoff**
  - Student properly and continuously communicates intentions at appropriate times

  - **Running Takeoff**
    - Wheels always maintain contact with the ground while taxiing to runway
    - During takeoff run, wheels maintain contact with ground until just prior to 40knt IAS
    - Establish and maintain stable flight and positive rate of climb

  - **Vertical Takeoff**
    - Check for obstacles prior to hover check
    - Conduct hover check
    - Orient nose to desired direction of flight
    - Compensate for torque and weather conditions while raising collective
    - Maintain hover until safely able to transition to forward flight.
    - Recommend 50’ AGL to gauge student ability to maintain hover while transitioning out of ground effect
    - Safely transition to forward flight

- **Full Stop Runway Landing**
  - At 50kts IAS, student will fly down wind and offset approximately 1nm abeam the runway opposite the tower at 1000’ AGL
  - Commence base turn 1nm after passing runway threshold
  - Establish a 500fpm decent and maintain 50kts IAS
  - Maintain 500fpm/50kt until approximately 20’ AGL then reduce decent to 50fpm touching down at 40kts
  - Maintain control to full stop

- **Vertical Landing**
  - At 1nm out Student must be 60kts IAS at 100-150’AGL
  - Fly a 360deg circle around pad at a distance that permits checking for obstacles near designated pad
  - Enter 100’ AGL hover, offset 45deg behind designated landing pad
  - Slowly descend to a 10’ hover centered directly over designated pad
  - Reduce power to touchdown

- **Autorotation Demonstration**
  - Establish level flight at 500’ AGL and 90knt IAS
  - When instructed to do so, reduce power lever to idle
  - Student will reduce collective to maintain rotor RPM
  - Land must be considered “survivable” by IP

- **Aerial Navigation**
  - Student will use the cursor to plot 2 WP’s and set a direct to point
  - Student will demonstrate use of PNVS

- **Weapons Employment**
  - Student will demonstrate ability to setup all weapons, change acquisition and sight sources
  - Student must achieve a kill with the gun by using the IHADSS
  - Student much achieve a kill with rockets

**NOTE:** The following are knowledge check questions are recommended. The IP may decide which if any of these to ask or ask their own knowledge check questions. **Failure to answer a knowledge check question does not constitute a failed BFQ.**

- **Knowledge Check**
  - How would you turn on the ADF?
  - What maps are available on the TSD?
  - How would you pull up the HIS?
  - How would you set a heading bug?