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**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?