# Pocket Checklist

# AH-64D AIRCRAFT

## REV: 20220316



48 FT DIA

6 FT 10 IN

11 FT 2 IN

16 FT 4 IN
15 FT 6 IN
9 FT 11 IN
16 FT 1 IN
11 FT 10 IN
13 FT 4 IN
6 FT 8 IN

43 FT 11 IN
38 FT 11 IN
9 FT 2 IN. DIA
9 FT 2 IN
17 FT 6 IN
14 FT 1 IN
11 FT 8 IN
48 FT 2 IN
49 FT 1 IN
57 FT 8 IN
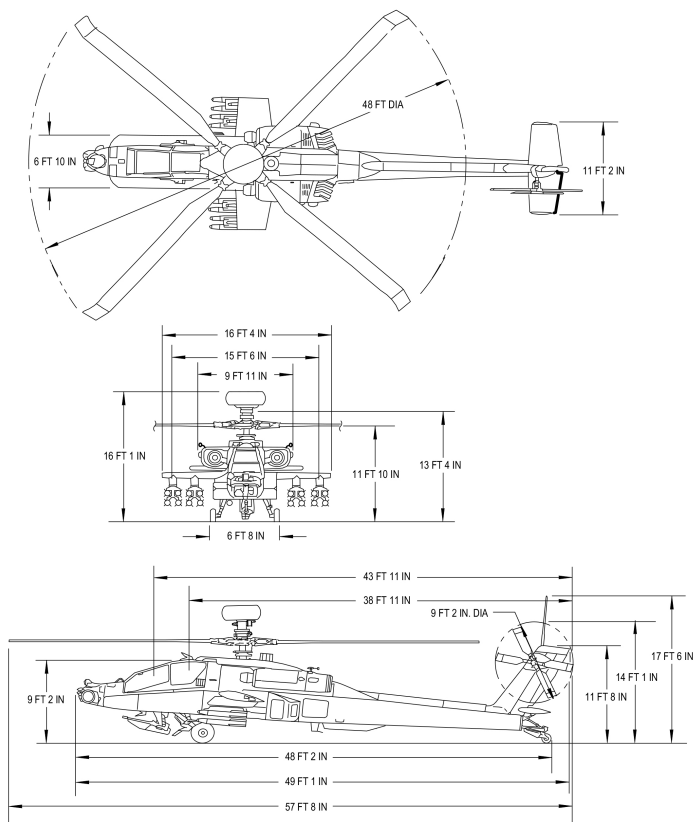
**Procedures**

**Aircraft Systems**

**Navigation TSD**

**Comms D/L**

**Defensive Systems ASE**

**Sensors**

**Weapons**

**Appendix**

# DISCLAIMER

# Contents

# Chapter 1

# PROCEDURES

**Contents**

## 1.1  START-UP

### 1.1.1  INTERIOR CHECKS

| | | |
|---|---|---|
| • | **Canopy Door (PLT/CPG)** | **As Desired** |

<div align="center">

**LEFT SIDE – BACK TO FRONT**

</div>

| | | |
|---|---|---|
| • | **Lights Panel (PLT/CPG)** | • **EXT LT/INTR LT Panel** . . . . . . . . . . **As Required** *(PLT)* <br> • **INTR LT Panel** . . . . . . . . . . . . . . . . . . **As Required** *(CPG)* |
| • | **Power Levers (PLT/CPG)** | **OFF** |
| • | **ENG START Switches  (PLT)** | **OFF** |
| • | **RTR BRK Switch (PLT)** | **OFF** |
| • | **NVS MODE Switch (PLT/CPG)** | **OFF** |

<div align="center">

**FRONT PANEL – LEFT TO RIGHT**

</div>

| | | |
|---|---|---|
| • | **KU Brightness Knob  (PLT/CPG)** | **As Desired** |
| • | **VIDEO Panel (PLT)** | **Knobs at 12 o'clock** |
| • | **MPD/EUFD Brightness Knob (PLT/CPG)** | **As Desired** |
| • | **CMWS  (PLT)** | • **CMWS Control Indicator PWR** . . . . . . . . . **OFF** <br> • **CMWS/NAV Switch** . . . . . . . . . . . . . . . . . . **CMWS** <br> • **BYPASS/AUTO Switch** . . . . . . . . . . . . . . . **AUTO** <br> • **JETTISON Switch** . . . . . . . . . . . . . . . . . . . . . . **OFF** |
| • | **TEDAC R Grip LT (CPG)** | **OFF** |
| • | **PARK BRAKE (PLT)** | **SET**, Handle out |
| • | **Standby Instruments  (PLT)** | **Check**, caged |

## RIGHT SIDE – FRONT TO BACK

| | | |
|---|---|---|
| • | **COMM Panel (PLT/CPG)** | **As Desired** |
| • | **HDU  (PLT/CPG)** | **As Desired** |

## 1.1.2 APU-START

| | | **PRE APU START** |
|---|---|---|
| 1. | **MSTR IGN Switch (PLT)** | **BATT** |
| 2. | **Searchlight (PLT)** | **As Required** |
| 3. | **TAIL WHEEL Button (PLT)** | **Locked**, UNLOCKED Light is off |
| 4. | **EMERG HYD Button (PLT/CPG)** | Verify **ON Light** not illuminated |
| 5. | **Cautions (PLT/CPG)** | **Check MSTR WARN, MSTR CAUT, EUFD** |
| 6. | **Fire Test (PLT/CPG)** | (a) **FIRE DET/EXTG TEST** ....... **Position 1** (PLT)<br>(b) **FIRE DET/EXTG TEST** ...... **Position 2** (CPG)<br><br>*In each position, both crewmembers should check the following*<br><br>• **MSTR WARN** ..................... **illuminated**<br>• **ENG 1 FIRE** ...................... **illuminated**<br>• **APU FIRE** ........................ **illuminated**<br>• **ENG 2 FIRE** ..................... **illuminated**<br>• **AFT DECK FIRE** .............. EUFD Warning<br>• **Voice Warning System** ............. activates |
| | | **APU START** |
| 7. | **APU (PLT)** | (a) **APU Button** ................. **Press & Release**<br>(b) **EUFD** .................... **Observe Advisories**<br><br>• **APU START**<br>• **APU POWER ON**<br>• **ACCUM OIL PRESS LO** |
| | | **POST APU START** |
| 8. | **Canopy (PLT/CPG)** | **As Desired** |
| 9. | **DTU Page (PLT/CPG)** | **Select Load** |
| 10. | **Menu Page (PLT/CPG)** | **Perform DMS Sweep** |

## 1.1.3 DMS SWEEP

**NOTE**

- **Recommended Technique: Clockwise from top right of any page**
- Exact sweep may vary based on mission requirements

| | |
|---|---|
| • **'M' Page** (PLT/CPG) | • **ASE–UTIL**<br>  – **RLWR VOICE** . . . . . . . . . . . . . . . . . **As Desired**<br>  – **Chaff Settings** . . . . . . . . . . . . . . . . **As Desired**<br>  – **CHAFF Mode** . . . . . . . . . . . . . . . . . **As Desired**<br>• **AUTOPAGE** . . . . . . . . . . . . . . . . . . . . . . . **As Desired** |
| • **TSD Page** (PLT/CPG) | • **SHOW**<br>  – **PHASE** . . . . . . . . . . . . . . . . . . . . . . . . **Select ATK**<br>  – **THRT SHOW** . . . . . . . . . . . . . . . . . . **As Desired**<br>  – **COORD SHOW** . . . . . . . . . . . . . . . . **As Desired**<br>  – **PHASE** . . . . . . . . . . . . . . . . . . . . . . . . **Select NAV**<br>  – **COORD SHOW** . . . . . . . . . . . . . . . . **As Desired**<br>• **UTIL**<br>  – **TIME** . . . . . . . . . . . . . . . . . . . . . . . . . **As Desired**<br>  – **SYSTEM TIME** . . . . . . . . . . . . . . . . **As Desired**<br>• **SCALE** . . . . . . . . . . . . . . . . . . . . . . . . . . . **As Desired**<br>• **CTR** . . . . . . . . . . . . . . . . . . . . . . . . . . . . . **As Desired**<br>• **RTE**<br>  – **DIR** . . . . . . . . . . . . . . . . . . . . . **Set Desired Point**<br>• **MAP**<br>  – **GRID** . . . . . . . . . . . . . . . . . . . . . . . . **As Desired**<br>  – **ORIENT** . . . . . . . . . . . . . . . . . . . . . **As Desired**<br>  – **COLOR BAND** . . . . . . . . . . . . . . . . **As Desired**<br>  – **TYPE** . . . . . . . . . . . . . . . . . . . . . . . . **As Desired**<br>• **INST**<br>  – **UTIL** . . . . . . . . . . . . . . . . . . . . . . . . . . . . . **Select**<br>  – **ADF** . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . **ON**<br>                          configure as necessary |

| | |
|---|---|
| • **WPN Page** (PLT/CPG) | • **GRAYSCALE** . . . . . . . . . . . . . . **Select & Optimize** |
| | • **BORESIGHT** . . . . . . . . . . . . . . . **Select & Perform** *(Both Crewmembers)* |
| | • **GUN** |
| |    – **BURST LIMIT** . . . . . . . . . . . . . . . . . **As Desired** |
| |    – **MODE** . . . . . . . . . . . . . . . . . . . . . . . . . **As Desired** |
| | • **MSL** |
| |    – **CODE** . . . . . . . . . . . . . . . . . . . . . . . . . . . . **Select** |
| |    – **SET** . . . . . . . . . . . . . . . . . . . . . . . . . . . . . . **Select** |
| |    – **LRFD** . . . . . . . . . . . . . . . . . . . . . . . . . **As Desired** |
| |    – **LST** . . . . . . . . . . . . . . . . . . . . . . . . . . . **As Desired** |
| | • **PRI/ALT** . . . . . . . . . . . . . . . . . . . . . . . **As Required** |
| | • **RKT** |
| |    – **INVENTORY** . . . . . . . . . . . . . . . . . . . **As Desired** |
| |    – **QTY** . . . . . . . . . . . . . . . . . . . . . . . . . . **As Desired** |
| | • **ACQ** . . . . . . . . . . . . . . . . . . . . . . . . . . . . **As Desired** |
| | • **MANRNG** . . . . . . . . . . . . . . . . . . . . . . . . **As Desired** *('A' for Auto-Range)* |
| • **A/C Page** (PLT/CPG) | • **FLT–SET** |
| |    – **HI / LO** . . . . . . . . . . . . . . . . . . . . . . . **As Desired** |
| |    – **UNIT** . . . . . . . . . . . . . . . . . . . . . . . . . . **As Desired** |
| |    – **ALT or PRES** . . . . . . . . . . . . . . . . . **As Desired** |
| |    – **UNIT** . . . . . . . . . . . . . . . . . . . . . . . . . . **As Desired** |
| | • **FUEL–CHECK** |
| |    – **Timer** . . . . . . . . . . . . . . . . . . . . . . . . . **As Desired** |
| | • **PERF–WT** |
| |    – **AC BASIC** . . . . . . . . . . . . . . . . . . **Verify/Update** |
| |    – **LEFT AFT BAY** . . . . . . . . . . . . **Verify/Update** |
| |    – **SURVIVAL KIT BAY** . . . . . . . **Verify/Update** |
| |    – **PILOT** . . . . . . . . . . . . . . . . . . . . . **Verify/Update** |
| |    – **CPG** . . . . . . . . . . . . . . . . . . . . . . . **Verify/Update** |
| | • **UTIL** |
| |    – **SYSTEM** . . . . . . . . . . . . . . . . . . . . . . **As Desired** |
| • **COMM Page** (PLT/CPG) | • **MAN** |
| |    – **VHF FREQ** . . . . . . . . . . . . . . . . . . . . . . . . . . **Set** |
| |    – **UHF FREQ** . . . . . . . . . . . . . . . . . . . . . . . . . . **Set** |
| |    – **FM1 FREQ** . . . . . . . . . . . . . . . . . . . . . . . . . . **Set** |
| |    – **FM2 FREQ** . . . . . . . . . . . . . . . . . . . . . . . . . . **Set** |

**NOTE**

- **Recommended MPD Setup: Right MPD** set to TSD, **Left MPD** used as *"Working MPD"*

## 1.1.4  ENGINE-START

| | PRE ENGINE START | |
|---|---|---|
| 1. | **NVS Mode Switch (PLT/CPG)** | **As Desired** |
| 2. | **Standby ADI (PLT)** | **Uncage** |
| | ENGINE START | |
| 3. | **RTR BRK Switch (PLT)** | **OFF** or **LOCK** for rotor lock start |
| 4. | **EXT LT ANTI COL (PLT)** | **WHT** for day, **RED** for night |
| 5. | **ENG 1 Start (PLT)** | (a) **ENG 1 START Switch** . . . . . . . . . . . . . . . . . **START**<br>(b) **EUFD** . . . . . . . . . . . . . . . . . . . . . . . . . **ENG 1 START**<br>(c) **ENG TGT** . . . . . . . . . . . . . . . . . . . . . . . . . < 80 deg C<br>(d) **Power Lever** . . . . . . . . . . . . . . . . . . . . . . . . . . . **IDLE**<br>(e) **Monitor**<br>    ・ **TGT**<br>    ・ **NG**<br>    ・ **MSTR WARN/CAUT**<br>    ・ **EUFD** |
| 6. | **ENG 2 Start (PLT)** | (a) **ENG 2 START Switch** . . . . . . . . . . . . . . . . . **START**<br>(b) **EUFD** . . . . . . . . . . . . . . . . . . . . . . . . . **ENG 2 START**<br>(c) **ENG TGT** . . . . . . . . . . . . . . . . . . . . . . . . . < 80 deg C<br>(d) **Power Lever** . . . . . . . . . . . . . . . . . . . . . . . . . . . **IDLE**<br>(e) **Monitor**<br>    ・ **TGT**<br>    ・ **NG**<br>    ・ **MSTR WARN/CAUT**<br>    ・ **EUFD** |
| 7. | **RTR BRK Switch (PLT)** | **OFF** |

| 8. | **Stabilized Parameters (PLT)** | • **ENG 1 & 2 OIL PRES** – < 70 PSI<br>• **NGB TEMP** – > 20 deg C |
|----|----|----|
| 9. | **Power Levers (PLT)** | Advance smoothly to **FLY** |
| 10. | **NP & NR (PLT)** | Verify 101% |
| 11. | **APU (PLT)** | **OFF** |

## 1.1.5 PRE-TAXI

| 1. | **EXT LT Panel (PLT)** | Verify **NAV** lights set to **BRT**, **ANTI-COL** Set as required |
|----|----|----|
| 2. | **Searchlight (PLT/CPG)** | **As Required** |
| 3. | **PARKING BRAKE (PLT)** | **Released**, Handle in |
| 4. | **TAIL WHEEL Button (PLT)** | **UNLOCK** as desired |

# Chapter 2

# SYSTEMS

Systems

# Chapter 3

# NAVIGATION

Navigation

# Chapter 4

# COMMUNICATION

Commms

# Chapter 5

# ASE

**Contents**

ASE

ASE

## 5.1   RADAR SIGNAL DETECTOR

## 5.2   LASER SIGNAL DETECTOR

## 5.3   CMWS

## 5.4   FLARE / CHAFF

## 5.5   RADAR JAMMER

# Chapter 6

# SENSORS

## Contents

Sensors

## 6.1 HMD

## 6.2   PNVS

## 6.3   TADS

## 6.4   FCR

## 6.5 RFI

# Chapter 7

# WEAPONS

**Contents**

Weapons

## 7.1 AWS – AREA WEAPON SYSTEM

### 7.1.1 OVERVIEW

### 7.1.2 GUN – TADS

### 7.1.3 GUN – HMD

### 7.1.4 GUN – FIXED

## 7.2   ARS – AERIAL ROCKET SUB-SYSTEM

**7.2.1   OVERVIEW**

**7.2.2   ROCKET – COOP – DIRECT**

**7.2.3   ROCKET – COOP – INDIRECT**

**7.2.4   ROCKET – HMD**

## 7.3   HELLFIRE MODULAR MISSILE SYSTEM

**7.3.1   OVERVIEW**

**7.3.2   HELLFIRE – LOBL**

**7.3.3   HELLFIRE – LOAL – DIR**

**7.3.4   HELLFIRE – LOAL – LO / HI**

**7.3.5   HELLFIRE – RAPID**

**7.3.6   HELLFIRE – RIPPLE**

**7.3.7   HELLFIRE – REMOTE**

# Chapter 8

# APPENDIX