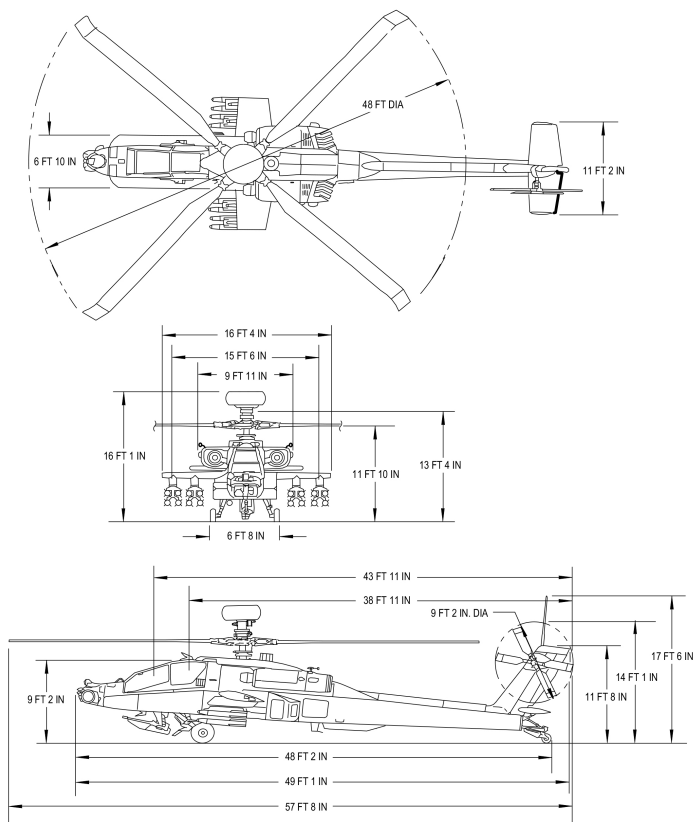


# Pocket Checklist

## AH-64D AIRCRAFT

REV: 20220529



Procedures

Aircraft  
Systems

Navigation  
TSD

Comms  
D/L

Defensive  
Systems  
ASE

Sensors

Weapons

Appendix



## **DISCLAIMER**

This document represents a personal project and is intended for entertainment purposes only. Do not use for training purposes or in real life scenarios.

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# Chapter 1

## PROCEDURES

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## 1.1 START-UP

## 1.1.1 INTERIOR CHECKS

- |                                   |            |
|-----------------------------------|------------|
| • <b>Canopy Door</b><br>(PLT/CPG) | As Desired |
|-----------------------------------|------------|

## LEFT SIDE – BACK TO FRONT

- |                                    |   |
|------------------------------------|---|
| • <b>Lights Panel</b><br>(PLT/CPG) | • EXT LT/INTR LT Panel ..... As Required<br>(PLT)<br>• INTR LT Panel ..... As Required<br>(CPG) |
|------------------------------------|---|

- |                                    |     |
|------------------------------------|-----|
| • <b>Power Levers</b><br>(PLT/CPG) | OFF |
|------------------------------------|-----|

- |   |     |
|---|-----|
| • <b>ENG START</b><br><b>Switches</b> (PLT) | OFF |
|---|-----|

- |                                  |     |
|----------------------------------|-----|
| • <b>RTR BRK Switch</b><br>(PLT) | OFF |
|----------------------------------|-----|

- |   |     |
|---|-----|
| • <b>NVS MODE</b><br><b>Switch</b><br>(PLT/CPG) | OFF |
|---|-----|

## FRONT PANEL – LEFT TO RIGHT

- |   |            |
|---|------------|
| • <b>KU Brightness</b><br><b>Knob</b> (PLT/CPG) | As Desired |
|---|------------|

- |                               |                     |
|-------------------------------|---------------------|
| • <b>VIDEO Panel</b><br>(PLT) | Knobs at 12 o'clock |
|-------------------------------|---------------------|

- |  |            |
|--|------------|
| • <b>MPD/EUFD</b><br><b>Brightness Knob</b><br>(PLT/CPG) | As Desired |
|--|------------|

- |                     |  |
|---------------------|--|
| • <b>CMWS</b> (PLT) | • CMWS Control Indicator PWR ..... OFF<br>• CMWS/NAV Switch ..... CMWS<br>• BYPASS/AUTO Switch ..... AUTO<br>• JETTISON Switch ..... OFF |
|---------------------|--|

- |                                   |     |
|-----------------------------------|-----|
| • <b>TEDAC R Grip LT</b><br>(CPG) | OFF |
|-----------------------------------|-----|

- |                              |                 |
|------------------------------|-----------------|
| • <b>PARK BRAKE</b><br>(PLT) | SET, Handle out |
|------------------------------|-----------------|

- |  |              |
|--|--------------|
| • <b>Standby Instru-</b><br><b>ments</b> (PLT) | Check, caged |
|--|--------------|

**RIGHT SIDE – FRONT TO BACK**

• <b>COMM Panel</b> (PLT/CPG)	As Desired
• <b>HDU</b> (PLT/CPG)	As Desired



## 1.1.2 APU-START

## PRE APU START

1. <b>MSTR IGN Switch (PLT)</b>	<b>BATT</b>
2. <b>Searchlight (PLT)</b>	<b>As Required</b>
3. <b>TAIL WHEEL Button (PLT)</b>	<b>Locked, UNLOCKED Light is off</b>
4. <b>EMERG HYD Button (PLT/CPG)</b>	<b>Verify ON Light not illuminated</b>
5. <b>Cautions (PLT/CPG)</b>	<b>Check MSTR WARN, MSTR CAUT, EUFD</b>
6. <b>Fire Test (PLT/CPG)</b>	<p>(a) <b>FIRE DET/EXTG TEST ..... Position 1 (PLT)</b>            (b) <b>FIRE DET/EXTG TEST ..... Position 2 (CPG)</b></p> <p><i>In each position, both crewmembers should check the following</i></p> <ul style="list-style-type: none"> <li>• <b>MSTR WARN ..... illuminated</b></li> <li>• <b>ENG 1 FIRE ..... illuminated</b></li> <li>• <b>APU FIRE ..... illuminated</b></li> <li>• <b>ENG 2 FIRE ..... illuminated</b></li> <li>• <b>AFT DECK FIRE ..... EUFD Warning</b></li> <li>• <b>Voice Warning System ..... activates</b></li> </ul>

## APU START

7. <b>APU (PLT)</b>	<p>(a) <b>APU Button ..... Press &amp; Release</b>            (b) <b>EUFD ..... Observe Advisories</b></p> <ul style="list-style-type: none"> <li>• <b>APU START</b></li> <li>• <b>APU POWER ON</b></li> <li>• <b>ACCUM OIL PRESS LO</b></li> </ul>
---------------------	---

## POST APU START

8. <b>Canopy (PLT/CPG)</b>	<b>As Desired</b>
9. <b>DTU Page (PLT/CPG)</b>	<b>Select Load</b>
10. <b>Menu Page (PLT/CPG)</b>	<b>Perform DMS Sweep</b>

## 1.1.3 DMS SWEEP

## NOTE

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

<ul style="list-style-type: none"> <li>• <b>'M' Page</b> (PLT/CPG)</li> </ul>	<ul style="list-style-type: none"> <li>• <b>ASE-UTIL</b> <ul style="list-style-type: none"> <li>– RLWR VOICE ..... As Desired</li> <li>– Chaff Settings ..... As Desired</li> <li>– CHAFF Mode ..... As Desired</li> </ul> </li> <li>• <b>AUTOPAGE</b> ..... As Desired</li> </ul>
<ul style="list-style-type: none"> <li>• <b>TSD Page</b> (PLT/CPG)</li> </ul>	<ul style="list-style-type: none"> <li>• <b>SHOW</b> <ul style="list-style-type: none"> <li>– PHASE ..... Select ATK</li> <li>– THRT SHOW ..... As Desired</li> <li>– COORD SHOW ..... As Desired</li> <li>– PHASE ..... Select NAV</li> <li>– COORD SHOW ..... As Desired</li> </ul> </li> <li>• <b>UTIL</b> <ul style="list-style-type: none"> <li>– TIME ..... As Desired</li> <li>– SYSTEM TIME ..... As Desired</li> </ul> </li> <li>• <b>SCALE</b> ..... As Desired</li> <li>• <b>CTR</b> ..... As Desired</li> <li>• <b>RTE</b> <ul style="list-style-type: none"> <li>– DIR ..... Set Desired Point</li> </ul> </li> <li>• <b>MAP</b> <ul style="list-style-type: none"> <li>– GRID ..... As Desired</li> <li>– ORIENT ..... As Desired</li> <li>– COLOR BAND ..... As Desired</li> <li>– TYPE ..... As Desired</li> </ul> </li> <li>• <b>INST</b> <ul style="list-style-type: none"> <li>– UTIL ..... Select</li> <li>– ADF ..... ON</li> </ul> </li> </ul> <p style="text-align: right;">configure as necessary</p>

- [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. <b>NVS Mode Switch</b><br>(PLT/CPG) | As Desired |
| 2. <b>Standby ADI</b><br>(PLT)         | Uncage     |

#### ENGINE START

- |                                    |  |
|------------------------------------|--|
| 3. <b>RTR BRK Switch</b><br>(PLT)  | OFF or LOCK for rotor lock start   |
| 4. <b>EXT LT ANTI COL</b><br>(PLT) | WHT for day, RED for night   |
| 5. <b>ENG 1 Start</b><br>(PLT)     | (a) <b>ENG 1 START Switch</b> .....START<br>(b) <b>EUFD</b> .....ENG 1 START<br>(c) <b>ENG TGT</b> .....< 80 deg C<br>(d) <b>Power Lever</b> .....IDLE<br>(e) <b>Monitor</b> <ul style="list-style-type: none"> <li>• TGT</li> <li>• NG</li> <li>• MSTR WARN/CAUT</li> <li>• EUFD</li> </ul> |

6. <b>ENG 2 Start (PLT)</b>	(a) <b>ENG 2 START Switch</b> ..... <b>START</b> (b) <b>EUFD</b> ..... <b>ENG 2 START</b> (c) <b>ENG TGT</b> ..... < 80 deg C (d) <b>Power Lever</b> ..... <b>IDLE</b> (e) <b>Monitor</b> <ul style="list-style-type: none"> <li>• <b>TGT</b></li> <li>• <b>NG</b></li> <li>• <b>MSTR WARN/CAUT</b></li> <li>• <b>EUFD</b></li> </ul>
7. <b>RTR BRK Switch (PLT)</b>	<b>OFF</b>
8. <b>Stabilized Parameters (PLT)</b>	<ul style="list-style-type: none"> <li>• <b>ENG 1 &amp; 2 OIL PRES</b> – &lt; 70 PSI</li> <li>• <b>NGB TEMP</b> – &gt; 20 deg C</li> </ul>
9. <b>Power Levers (PLT)</b>	Advance smoothly to <b>FLY</b>
10. <b>NP &amp; NR (PLT)</b>	Verify 101%
11. <b>APU (PLT)</b>	<b>OFF</b>

### 1.1.5 PRE-TAXI

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



## 1.2 START-UP (NEW TABLE DESIGN)

## 1.2.1 INTERIOR CHECKS

• <b>Canopy Door</b> (PLT/CPG)	As Desired
<b>LEFT SIDE – BACK TO FRONT</b>	
• <b>Lights Panel</b> (PLT/CPG)	<ul style="list-style-type: none"> <li>• EXT LT/INTR LT Panel ..... As Required (PLT)</li> <li>• INTR LT Panel ..... As Required (CPG)</li> </ul>
• <b>Power Levers</b> (PLT/CPG)	OFF
• <b>ENG START</b> <b>Switches</b> (PLT)	OFF
• <b>RTR BRK</b> <b>Switch</b> (PLT)	OFF
• <b>NVS MODE</b> <b>Switch</b> (PLT/CPG)	OFF
<b>FRONT PANEL – LEFT TO RIGHT</b>	
• <b>KU Bright-</b> <b>ness Knob</b> (PLT/CPG)	As Desired
• <b>VIDEO Panel</b> (PLT)	Knobs at 12 o'clock
• <b>MPD/EUFD</b> <b>Bright-</b> <b>ness Knob</b> (PLT/CPG)	As Desired
• <b>CMWS</b> (PLT)	<ul style="list-style-type: none"> <li>• CMWS Control Indicator PWR ..... OFF</li> <li>• CMWS/NAV Switch ..... CMWS</li> <li>• BYPASS/AUTO Switch ..... AUTO</li> <li>• JETTISON Switch ..... OFF</li> </ul>
• <b>TEDAC R Grip</b> <b>LT</b> (CPG)	OFF
• <b>PARK BRAKE</b> (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

---



## 1.2.2 APU-START

## PRE APU START

1. <b>MSTR IGN Switch (PLT)</b>	<b>BATT</b>
2. <b>Searchlight (PLT)</b>	<b>As Required</b>
3. <b>TAIL WHEEL Button (PLT)</b>	<b>Locked</b> , UNLOCKED Light is off
4. <b>EMERG HYD Button (PLT/CPG)</b>	Verify <b>ON Light</b> not illuminated
5. <b>Cautions (PLT/CPG)</b>	<b>Check MSTR WARN, MSTR CAUT, EUFD</b>
6. <b>Fire Test (PLT/CPG)</b>	<p>(a) <b>FIRE DET/EXTG TEST . . . . Position 1 (PLT)</b>  (b) <b>FIRE DET/EXTG TEST . . . . Position 2 (CPG)</b></p> <p><i>In each position, both crewmembers should check the following</i></p> <ul style="list-style-type: none"> <li>• <b>MSTR WARN . . . . . illuminated</b></li> <li>• <b>ENG 1 FIRE . . . . . illuminated</b></li> <li>• <b>APU FIRE . . . . . illuminated</b></li> <li>• <b>ENG 2 FIRE . . . . . illuminated</b></li> <li>• <b>AFT DECK FIRE . . . . . EUFD Warning</b></li> <li>• <b>Voice Warning System . . . . . activates</b></li> </ul>

## APU START

7. <b>APU (PLT)</b>	<p>(a) <b>APU Button . . . . . Press &amp; Release</b>  (b) <b>EUFD . . . . . Observe Advisories</b></p> <ul style="list-style-type: none"> <li>• <b>APU START</b></li> <li>• <b>APU POWER ON</b></li> <li>• <b>ACCUM OIL PRESS LO</b></li> </ul>
---------------------	---

## POST APU START

8. <b>Canopy (PLT/CPG)</b>	<b>As Desired</b>
9. <b>DTU Page (PLT/CPG)</b>	<b>Select Load</b>

10. **Menu Page**  
(PLT/CPG)

Perform DMS Sweep

---

## 1.2.3 DMS SWEEP

## NOTE

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

<ul style="list-style-type: none"> <li>• <b>'M' Page</b> (PLT/CPG)</li> </ul>	<ul style="list-style-type: none"> <li>• <b>ASE-UTIL</b> <ul style="list-style-type: none"> <li>– RLWR VOICE ..... As Desired</li> <li>– Chaff Settings ..... As Desired</li> <li>– CHAFF Mode ..... As Desired</li> </ul> </li> <li>• <b>AUTOPAGE</b> ..... As Desired</li> </ul>
<ul style="list-style-type: none"> <li>• <b>TSD Page</b> (PLT/CPG)</li> </ul>	<ul style="list-style-type: none"> <li>• <b>SHOW</b> <ul style="list-style-type: none"> <li>– PHASE ..... Select ATK</li> <li>– THRT SHOW ..... As Desired</li> <li>– COORD SHOW ..... As Desired</li> <li>– PHASE ..... Select NAV</li> <li>– COORD SHOW ..... As Desired</li> </ul> </li> <li>• <b>UTIL</b> <ul style="list-style-type: none"> <li>– TIME ..... As Desired</li> <li>– SYSTEM TIME ..... As Desired</li> </ul> </li> <li>• <b>SCALE</b> ..... As Desired</li> <li>• <b>CTR</b> ..... As Desired</li> <li>• <b>RTE</b> <ul style="list-style-type: none"> <li>– DIR ..... Set Desired Point</li> </ul> </li> <li>• <b>MAP</b> <ul style="list-style-type: none"> <li>– GRID ..... As Desired</li> <li>– ORIENT ..... As Desired</li> <li>– COLOR BAND ..... As Desired</li> <li>– TYPE ..... As Desired</li> </ul> </li> <li>• <b>INST</b> <ul style="list-style-type: none"> <li>– UTIL ..... Select</li> <li>– ADF ..... ON</li> </ul> </li> </ul> <p style="text-align: right;">configure as necessary</p>

- **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

<b>NOTE</b>
-------------

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

## 1.2.4 ENGINE-START

### PRE ENGINE START

- |  |            |
|--|------------|
| 1. <b>NVS Mode Switch</b><br>(PLT/CPG) | As Desired |
| 2. <b>Standby ADI</b><br>(PLT)         | Uncage     |

### ENGINE START

- |                                    |   |
|------------------------------------|---|
| 3. <b>RTR BRK Switch</b><br>(PLT)  | OFF or LOCK for rotor lock start  |
| 4. <b>EXT LT ANTI COL</b><br>(PLT) | WHT for day, RED for night  |
| 5. <b>ENG 1 Start</b><br>(PLT)     | (a) <b>ENG 1 START Switch</b> .....START<br>(b) <b>EUFD</b> ..... ENG 1 START<br>(c) <b>ENG TGT</b> ..... < 80 deg C<br>(d) <b>Power Lever</b> ..... IDLE<br>(e) <b>Monitor</b> <ul style="list-style-type: none"> <li>• TGT</li> <li>• NG</li> <li>• MSTR WARN/CAUT</li> <li>• EUFD</li> </ul> |

6. <b>ENG 2 Start (PLT)</b>	(a) <b>ENG 2 START Switch</b> ..... <b>START</b> (b) <b>EUFD</b> ..... <b>ENG 2 START</b> (c) <b>ENG TGT</b> ..... < 80 deg C (d) <b>Power Lever</b> ..... <b>IDLE</b> (e) <b>Monitor</b> <ul style="list-style-type: none"> <li>• <b>TGT</b></li> <li>• <b>NG</b></li> <li>• <b>MSTR WARN/CAUT</b></li> <li>• <b>EUFD</b></li> </ul>
7. <b>RTR BRK Switch (PLT)</b>	<b>OFF</b>
8. <b>Stabilized Parameters (PLT)</b>	<ul style="list-style-type: none"> <li>• <b>ENG 1 &amp; 2 OIL PRES</b> – &lt; 70 PSI</li> <li>• <b>NGB TEMP</b> – &gt; 20 deg C</li> </ul>
9. <b>Power Levers (PLT)</b>	Advance smoothly to <b>FLY</b>
10. <b>NP &amp; NR (PLT)</b>	Verify 101%
11. <b>APU (PLT)</b>	<b>OFF</b>

### 1.2.5 PRE-TAXI

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

### 1.3 START-UP (ITEMIZE)

#### 1.3.1 INTERIOR CHECKS

- **Canopy Door** (PLT/CPG) ..... As Desired
- **Lights Panel** (PLT/CPG)
  - EXT LT/INTR LT Panel ..... As Required (*PLT*)
  - 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
- **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
  - CMWS/NAV Switch ..... CMWS
  - BYPASS/AUTO Switch ..... AUTO
  - JETTISON Switch ..... OFF
- **TEDAC R Grip LT** (CPG) ..... OFF
- **PARK BRAKE** (PLT) ..... SET, Handle out
- **Standby Instruments** (PLT) ..... Check, caged
- **COMM Panel** (PLT/CPG) ..... As Desired
- **HDU** (PLT/CPG) ..... As Desired

## 1.3.2 APU-START

- (a) **MSTR IGN Switch** (PLT).....BATT
- (b) **Searchlight** (PLT) ..... As Required
- (c) **TAIL WHEEL Button** (PLT) .... Locked, UNLOCKED Light is off
- (d) **EMERG HYD Button** (PLT/CPG) ..... Verify **ON Light** not illuminated
- (e) **Cautions** (PLT/CPG) ..... Check MSTR WARN, MSTR CAUT, EUFD
- (f) **Fire Test** (PLT/CPG)
  - (a) **FIRE DET/EXTG TEST** ..... **Position 1** (PLT)
  - (b) **FIRE DET/EXTG TEST** ..... **Position 2** (CPG)

*In each position, both crewmembers should check the following*

  - **MSTR WARN** ..... illuminated
  - **ENG 1 FIRE** ..... illuminated
  - **APU FIRE** ..... illuminated
  - **ENG 2 FIRE** ..... illuminated
  - **AFT DECK FIRE** ..... EUFD Warning
  - **Voice Warning System** ..... activates
- (g) **APU** (PLT)
  - (a) **APU Button** ..... **Press & Release**
  - (b) **EUFD** ..... **Observe Advisories**
    - **APU START**
    - **APU POWER ON**
    - **ACCUM OIL PRESS LO**
- (h) **Canopy** (PLT/CPG) ..... As Desired
- (i) **DTU Page** (PLT/CPG) ..... Select Load
- (j) **Menu Page** (PLT/CPG) ..... Perform DMS Sweep



## 1.3.3 DMS SWEEP

## NOTE

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

- **'M' Page**

- ASE-UTIL

- \* RLWR VOICE ..... As Desired
    - \* Chaff Settings ..... As Desired
    - \* CHAFF Mode ..... As Desired

- AUTOPAGE ..... As Desired

- **TSD Page**

- SHOW

- \* PHASE ..... Select ATK
    - \* THRT SHOW ..... As Desired
    - \* COORD SHOW ..... As Desired
    - \* PHASE ..... Select NAV
    - \* COORD SHOW ..... As Desired

- UTIL

- \* TIME ..... As Desired
    - \* SYSTEM TIME ..... As Desired

- SCALE ..... As Desired

- CTR ..... As Desired

- RTE

- \* DIR ..... Set Desired Point

- MAP

- \* GRID ..... As Desired
    - \* ORIENT ..... As Desired
    - \* COLOR BAND ..... As Desired
    - \* TYPE ..... As Desired

- INST

- \* UTIL ..... Select
      - \* ADF ..... ON
- configure as necessary

- **WPN Page**

- 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**

- 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**

## – 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”

**1.3.4 ENGINE-START**

- (a) **NVS Mode Switch** (PLT/CPG) ..... As Desired
- (b) **Standby ADI** (PLT) ..... Uncage
- (c) **RTR BRK Switch** (PLT) ..... OFF or LOCK for rotor lock start
- (d) **EXT LT ANTI COL** (PLT) ..... WHT for day, RED for night
- (e) **ENG 1 Start** (PLT)
  - (a) **ENG 1 START Switch** ..... START
  - (b) **EUFD** ..... ENG 1 START
  - (c) **ENG TGT** ..... < 80 deg C
  - (d) **Power Lever** ..... IDLE
  - (e) **Monitor** – TGT, NG, MSTR WARN/CAUT, EUFD
- (f) **ENG 2 Start** (PLT)
  - (a) **ENG 2 START Switch** ..... START
  - (b) **EUFD** ..... ENG 2 START
  - (c) **ENG TGT** ..... < 80 deg C
  - (d) **Power Lever** ..... IDLE
  - (e) **Monitor** – TGT, NG, MSTR WARN/CAUT, EUFD
- (g) **RTR BRK Switch** (PLT) ..... OFF
- (h) **Stabilized Parameters** (PLT)
  - **ENG 1 & 2 OIL PRES** – < 70 PSI
  - **NGB TEMP** – > 20 deg C
- (i) **Power Levers** (PLT) ..... Advance smoothly to FLY
- (j) **NP & NR** (PLT) ..... Verify 101%
- (k) **APU** (PLT) ..... OFF



## Chapter 2

# SYSTEMS



## Chapter 3

# NAVIGATION

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### 3.1 PROCEDURES

#### 3.1.1 TSD POINT – ADD

- |  |  |
|--|--|
| <ul style="list-style-type: none"> <li>• <b>Cursor Drop</b></li> </ul>   | <ul style="list-style-type: none"> <li>(a) <b>TSD</b> ..... <b>Select</b></li> <li>(b) <b>POINT</b> ..... <b>Select</b></li> <li>(c) <b>ADD</b> ..... <b>Select</b></li> <li>(d) <b>Type Select</b> ..... WP, HZ, CM, or TG</li> <li>(e) <b>Cursor Select</b> ..... <b>Cursor Enter</b><br/>(with cursor on desired location on TSD)</li> </ul>  |
| <ul style="list-style-type: none"> <li>• <b>Keyboard Unit</b></li> </ul> | <ul style="list-style-type: none"> <li>(a) <b>TSD</b> ..... <b>Select</b></li> <li>(b) <b>POINT</b> ..... <b>Select</b></li> <li>(c) <b>ADD</b> ..... <b>Select</b></li> <li>(d) <b>ABR</b> ..... As required</li> <li>(e) <b>Type Select</b> ..... WP, HZ, CM, or TG</li> <li>(f) <b>IDENT</b> ..... <b>Select</b></li> <li>(g) <b>Free Data</b> ..... Enter on KU</li> <li>(h) <b>Location Data</b> ..... Enter on KU</li> <li>(i) <b>Altitude Data</b> ..... Enter on KU</li> </ul> |

## 3.1.2 TSD POINT - ADD (NEW TABLE DESIGN)

<b>Cursor Drop</b>	(a) <b>TSD</b> ..... <b>Select</b> (b) <b>POINT</b> ..... <b>Select</b> (c) <b>ADD</b> ..... <b>Select</b> (d) <b>Type Select</b> ..... WP, HZ, CM, or TG (e) <b>Cursor Select</b> ..... <b>Cursor Enter</b> <i>(with cursor on desired location on TSD)</i>
<b>Keyboard Unit</b>	(a) <b>TSD</b> ..... <b>Select</b> (b) <b>POINT</b> ..... <b>Select</b> (c) <b>ADD</b> ..... <b>Select</b> (d) <b>ABR</b> ..... As required (e) <b>Type Select</b> ..... WP, HZ, CM, or TG (f) <b>IDENT</b> ..... <b>Select</b> (g) <b>Keyboard Unit</b> • <b>Free Data</b> ..... Enter on KU • <b>Location Data</b> ..... Enter on KU • <b>Altitude Data</b> ..... Enter on KU

**3.1.3 TSD POINT - ADD (ITEMIZE)**• **Cursor Drop**

- (a) **TSD** ..... **Select**
- (b) **POINT** ..... **Select**
- (c) **ADD** ..... **Select**
- (d) **Type Select** ..... WP, HZ, CM, or TG
- (e) **Cursor Select** ..... **Cursor Enter**  
(with cursor on desired location on TSD)

• **Keyboard Unit**

- (a) **TSD** ..... **Select**
- (b) **POINT** ..... **Select**
- (c) **ADD** ..... **Select**
- (d) **ABR** ..... As required
- (e) **Type Select** ..... WP, HZ, CM, or TG
- (f) **IDENT** ..... **Select**
- (g) **Keyboard Unit**
  - (a) **Free Data** ..... Enter on KU
  - (b) **Location Data** ..... Enter on KU
  - (c) **Altitude Data** ..... Enter on KU

**3.1.4 TSD POINT - EDIT**• **TSD**

- (a) **TSD** ..... **Select**
- (b) **POINT** ..... **Select**
- (c) **ADD** ..... **Select**
- (d) **Type Select** ..... WP, HZ, CM, or TG
- (e) **Cursor Select** ..... **Cursor Enter**  
(with cursor on desired location on TSD)

**3.1.5 ROUTE****3.1.6 ADF**





## **Chapter 4**

# **COMMUNICATION**

Comms



# Chapter 5

## ASE

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## **5.1 RADAR SIGNAL DETECTOR**

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## **5.2 LASER SIGNAL DETECTOR**

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**5.3 CMWS**

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## 5.4 FLARE / CHAFF

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## **5.5 RADAR JAMMER**

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# Chapter 6

## SENSORS

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**6.1 HMD**

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**6.2 PNVS**

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**6.3 TADS**

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**6.4 FCR**

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**6.5 RFI**

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# Chapter 7

## WEAPONS

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## **7.1 AWS – AREA WEAPON SYSTEM**

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### **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**

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**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**

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### **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**



