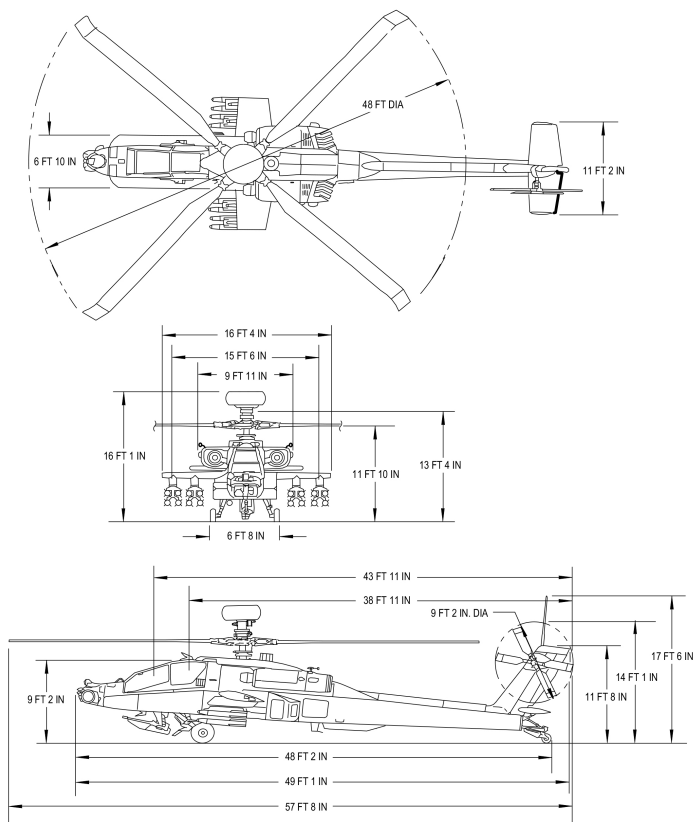


# Pocket Checklist

## AH-64D AIRCRAFT

REV: 20220320



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) | <ul style="list-style-type: none"> <li>• <b>EXT LT/INTR LT Panel</b> ..... As Required<br/>(PLT)</li> <li>• <b>INTR LT Panel</b> ..... As Required<br/>(CPG)</li> </ul> |
|------------------------------------|---|

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

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

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

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

## FRONT PANEL – LEFT TO RIGHT

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

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

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

- |                     |  |
|---------------------|--|
| • <b>CMWS</b> (PLT) | <ul style="list-style-type: none"> <li>• <b>CMWS Control Indicator PWR</b> ..... OFF</li> <li>• <b>CMWS/NAV Switch</b> ..... CMWS</li> <li>• <b>BYPASS/AUTO Switch</b> ..... AUTO</li> <li>• <b>JETTISON Switch</b> ..... OFF</li> </ul> |
|---------------------|--|

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

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

- |                                    |              |
|------------------------------------|--------------|
| • <b>Standby Instruments</b> (PLT) | Check, caged |
|------------------------------------|--------------|

## RIGHT SIDE – FRONT TO BACK

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

- (a) **Canopy Door** (PLT/CPG) ..... As Desired
- (b) **Lights Panel** (PLT/CPG)
  - EXT LT/INTR LT Panel ..... As Required (PLT)
  - INTR LT Panel ..... As Required (CPG)
- (c) **Power Levers** (PLT/CPG) ..... OFF
- (d) **ENG START Switches** (PLT) ..... OFF
- (e) **RTR BRK Switch** (PLT) ..... OFF
- (f) **NVS MODE Switch** (PLT/CPG) ..... OFF
- (g) **KU Brightness Knob** (PLT/CPG) ..... As Desired
- (h) **VIDEO Panel** (PLT) ..... Knobs at 12 o'clock
- (i) **MPD/EUFD Brightness Knob** (PLT/CPG) ..... As Desired
- (j) **CMWS** (PLT)
  - CMWS Control Indicator PWR ..... OFF
  - CMWS/NAV Switch ..... CMWS
  - BYPASS/AUTO Switch ..... AUTO
  - JETTISON Switch ..... OFF
- (k) **TEDAC R Grip LT** (CPG) ..... OFF
- (l) **PARK BRAKE** (PLT) ..... SET, Handle out
- (m) **Standby Instruments** (PLT) ..... Check, caged
- (n) **COMM Panel** (PLT/CPG) ..... As Desired
- (o) **HDU** (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. **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
- (b) **EUFD** ..... ENG 1 START
- (c) **ENG TGT** ..... < 80 deg C
- (d) **Power Lever** ..... IDLE
- (e) **Monitor**
  - TGT
  - NG
  - MSTR WARN/CAUT
  - EUFD

6. **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

7. **RTR BRK Switch (PLT)** OFF

8. **Stabilized Parameters (PLT)**

- **ENG 1 & 2 OIL PRES** – < 70 PSI
- **NGB TEMP** – > 20 deg C

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 (ITEMIZE)

### 1.2.1 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

### 1.2.2 APU-START

- (a) **Canopy Door** (PLT/CPG) ..... As Desired
- (b) **Lights Panel** (PLT/CPG)
  - EXT LT/INTR LT Panel ..... As Required (PLT)
  - INTR LT Panel ..... As Required (CPG)
- (c) **Power Levers** (PLT/CPG) ..... OFF
- (d) **ENG START Switches** (PLT) ..... OFF
- (e) **RTR BRK Switch** (PLT) ..... OFF
- (f) **NVS MODE Switch** (PLT/CPG) ..... OFF
- (g) **KU Brightness Knob** (PLT/CPG) ..... As Desired

- (h) **VIDEO Panel (PLT)** ..... Knobs at 12 o'clock
- (i) **MPD/EUFD Brightness Knob (PLT/CPG)** ..... As Desired
- (j) **CMWS (PLT)**
  - **CMWS Control Indicator PWR** ..... OFF
  - **CMWS/NAV Switch** ..... CMWS
  - **BYPASS/AUTO Switch** ..... AUTO
  - **JETTISON Switch** ..... OFF
- (k) **TEDAC R Grip LT (CPG)** ..... OFF
- (l) **PARK BRAKE (PLT)** ..... SET, Handle out
- (m) **Standby Instruments (PLT)** ..... Check, caged
- (n) **COMM Panel (PLT/CPG)** ..... As Desired
- (o) **HDU (PLT/CPG)** ..... As Desired

### 1.2.3 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”*

## 1.2.4 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 POINT – ADDITION

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

- 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

#### 3.1.2 ROUTE

#### 3.1.3 ADF





## **Chapter 4**

# **COMMUNICATION**

Comms



# Chapter 5

## ASE

### Contents

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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

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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**



