



# *SOCOM*

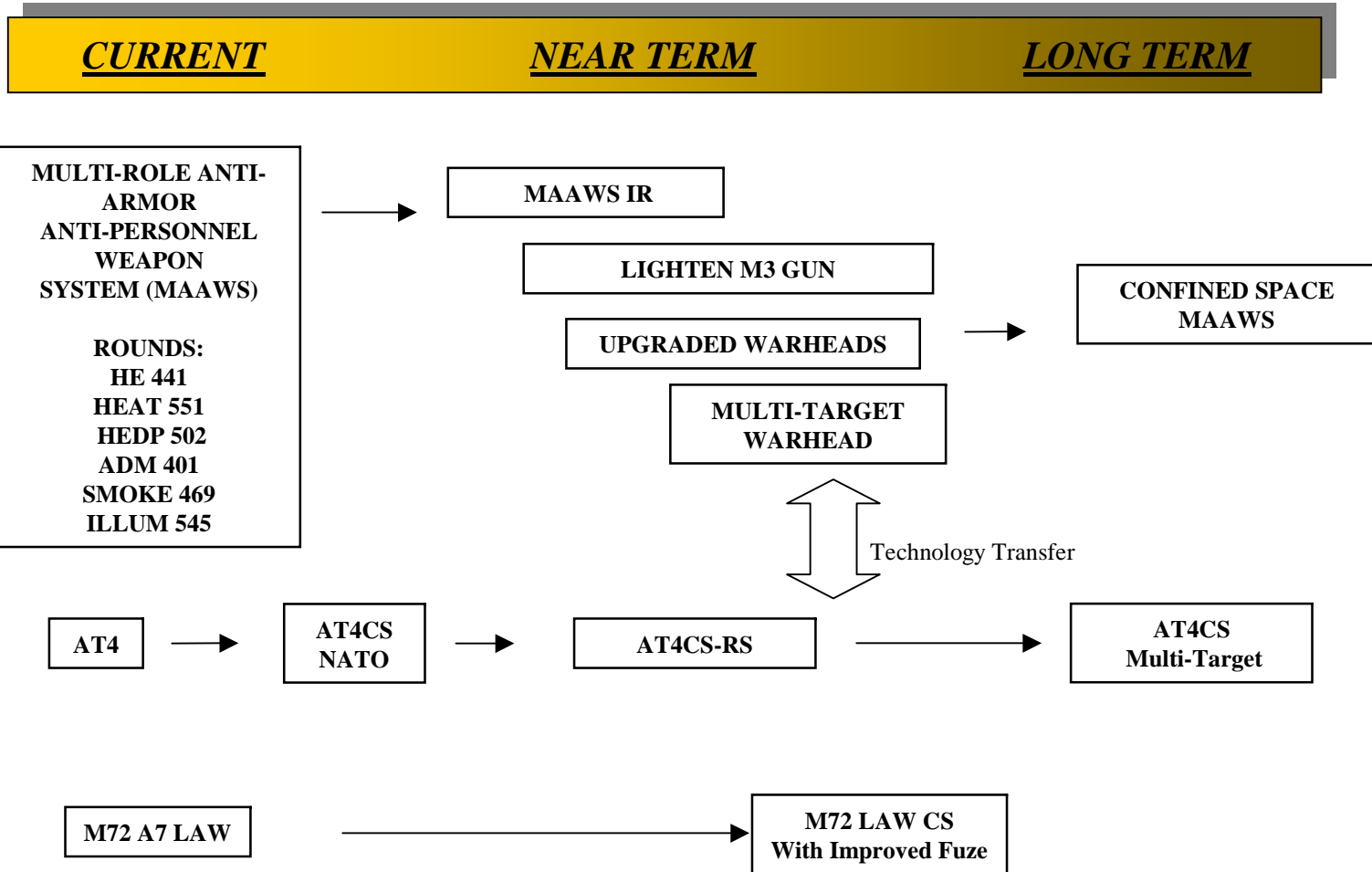
## *Shoulder Fired Weapons*



- HEAVY – JAVELIN
- MEDIUM
  - MAAWS
  - FADW (AT4CS HP/RS)
- LIGHT
  - LAW/LAW-CS



# USSOCOM SHOULDER FIRED WEAPON SYSTEMS OVERVIEW



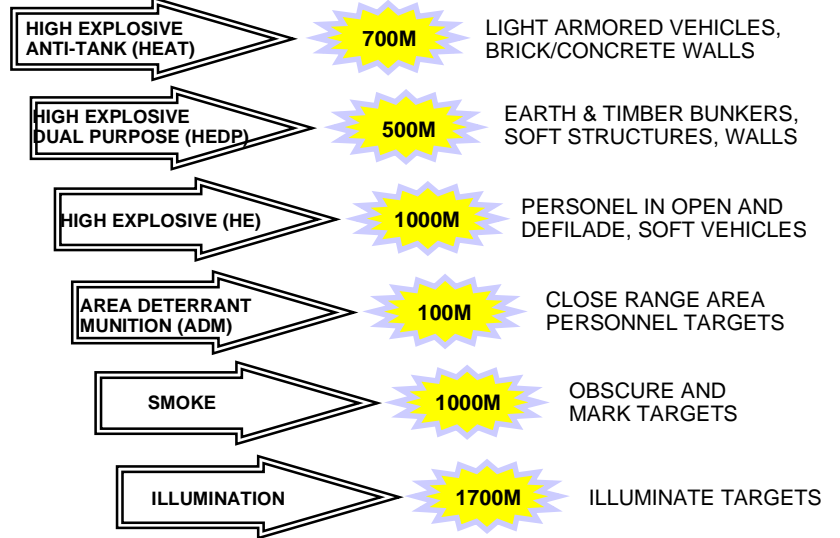
# **MULTI-ROLE ANTI-ARMOR ANTI-PERSONNEL WEAPON SYSTEM (MAAWS)**

- REUSABLE 22 POUND, 42 INCH LAUNCHER
- FULL FAMILY OF AMMUNITION
- FIELDDED TO 75<sup>TH</sup> RR 1990,  
NAVSPECWARCOM 1997

SOCOM Work – Horse System

## **USER PAYOFF**

### **AMMUNITION CAPABILITIES**



## **ACQUISITION SUMMARY**

- USSOCOM PROGRAM
- NDI SYSTEM FROM BOFORS, SWEDEN
- EVOLUTIONARY SYSTEM UPGRADES TO ENHANCE SAFETY AND CAPABILITY
- ACAT IV SYSTEM MANAGER AT RDECOM-ARDEC LEADS JOINT SERVICE IPT (ARMY/NAVY/SOCOM/OSD)



**CONTINUOUS SYSTEM UPGRADES**

# MAAWS SYSTEM STATUS (EVOLUTIONARY ACQUISITION)

<u>ITEM (DODIC)</u>	<u>FUZE</u>	<u>WARHEAD MATERIAL</u>	<u>EVALUATION STATUS</u>
<b>M3 RECOILLESS RIFLE</b>			COMPLETE
<b>553B SUBCALIBER ADAPTER</b>			COMPLETE
7.62mm TRAINING ROUND			COMPLETE
BACKBLAST SIMULATOR			COMPLETE
PRIMER CAP WITH HOLDER			COMPLETE
<b>HEAT ROUND</b>			
HEAT 551	FFV-551	OCTOL	N/A
HEAT 551 IM	FFV-551	PBXN-110	COMPLETE
HEAT 551C RS	FFV-751	PBXN-110	COMPLETE
<b>HE ROUND</b>			
HE 441B	FFV-447	COMP-B	N/A
HE 441D RS	MILTEC F451	PBXN-110	COMPLETE
<b>HEDP ROUND</b>			
HEDP 502	FFV-502	OCTOL	N/A
HEDP 502 RS	FFV-502	PBXN-110	COMPLETE
<b>SMOKE</b>			
SMOKE 469B	FFV-957	SMOKE	COMPLETE
SMOKE 469C	MILTEC F550	SMOKE	FUTURE EFFORT
<b>ILLUMINATION</b>			
ILLUM 545B	ZTZ DM 42A1	CANDLE	COMPLETE
ILLUM 545C	MILTEC F555	CANDLE	FY04 FCT
<b>TRAINING AMMUNITION</b>			COMPLETE
TP 552			
TPT 141			COMPLETE
<b>20mm TRAINING SYSTEM</b>			COMPLETE

⊖ = NON IM FILL

● = LIMITED ACCEPTANCE

● = ACCEPTABLE

USER INTEREST

# AT4CS



## AT4-CS RS PERFORMANCE OVERVIEW

ARMOR	█
FIRE FROM ENCLOSURE	█
NIGHT SIGHT RAIL	█
IM FILL	█
DUAL SAFE FUZE	█
AIR DROP CERTIFIED	█

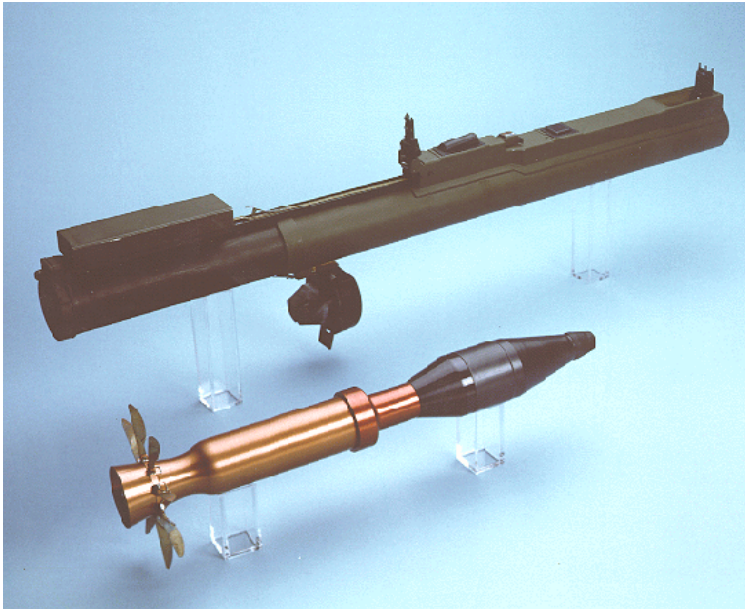
## *CHARACTERISTICS*

- DISPOSABLE SYSTEM
- LENGTH 1040mm (40.9 in)
- WARHEAD DIAMETER 84mm
- WEIGHT
  - » UNIT WEIGHT 17 lbs.
- DEFEAT MECHANISM: SHAPED CHARGE WARHEAD

## *PROGRAM HIGHLIGHTS*

- FIELDING & PRODUCTION STATUS
  - » AT4-CS HP
    - » AT4-CS RS CURRENTLY IN PRODUCTION FOR SOCOM & U.S. ARMY
    - » AT4-CS HP FIELDIED TO SOCOM & U.S. ARMY IN INTERM
- SAFETY CERTIFICATION STATUS - AT4-CS RS
  - » ALL TEST COMPLETED SUCCESSFULLY
  - » APPROVE D BY SURGEON GENEAL

# M72 LAW



## M72 LAW PERFORMANCE OVERVIEW

ARMOR	■
IM FILL	■
AIR DROP CERTIFIED	■
IM FILL	■
CARRY MORE THAN ONE	■

## *CHARACTERISTICS*

- ✦ DISPOSABLE SYSTEM
- ✦ LENGTH 775 (Carry) 980 (Fire)
- ✦ WARHEAD DIAMETER 66mm
- ✦ WEIGHT
  - » UNIT WEIGHT 8 lbs.
- ✦ DEFEAT MECHANISM: SHAPED CHARGE or EFP WARHEADS

## *PROGRAM HIGHLIGHTS*

- ✦ FIELDING
  - » MULTIPLE VERSIONS FIELDDED WITHIN SOCOM
- ✦ PRODUCTION
  - » ANNUAL PRODUCTION
    - » WARCOM
    - » RECENT BUY FOR USASOC

# ACTIVE SOCOM DEVELOPMENTS

## Multi-Target Warhead & LAW-CS

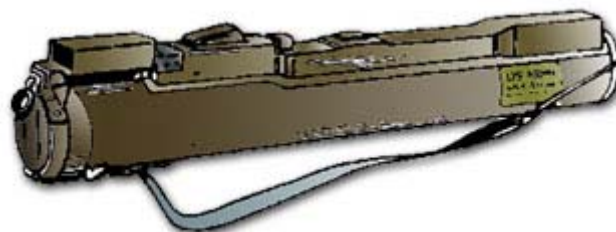
### MULTI-TARGET WARHEAD

- Design in 84mm Caliber
- Defeat Personnel Behind
  - Triple Brick
  - 8" Reinforced Concrete (Breach Hole Secondary)
- Adaptable to Many Platforms



### LAW-CS

- Incorporate CS Propulsion Into M72 LAW System
- Integrate Dual Safe Fuze
- Adapt Other Enhancements



### Interested Parties / Participants

- U.S. Special Operations Command (Participant)
  - WARCOM
  - USASOC
- U.S. Army (Interested Party)
- International Community (Interested Party)



# *SOCOM*

## *Shoulder Fired Weapons*



- **INDUSTRY & GOVERNMENT TECHNOLOGIES SOLUTIONS NEEDED BY SOCOM**
  - NEXT GENERATION COMPOSITES FOR M3 WEAPON
  - NEXT GENERATION PROPULSION FOR CONFINED SPACE IN ALL SYSTEMS
  - NEXT GENERATION WARHEADS FOR ALL SYSTEMS