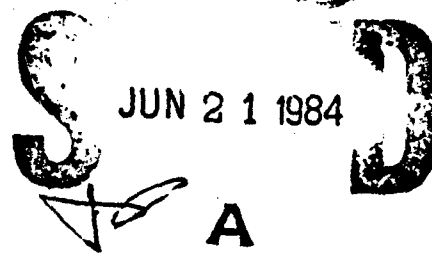


AD-A142 508



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PREFACE

This Weapons File has been prepared by AD/XRP to provide unclassified technical data on air launched weapons and munitions. The file is broken into four major categories: Air-to-Air Missiles, Guided Weapons, Unguided Weapons and Submunitions. A more detailed classified Weapons Catalogue is also available which provides performance data.

The data under AIRCRAFT indicates a typical loadout as configured for the Nonnuclear Armament Plan (NAP).

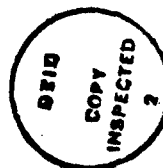
This file has been computerized for easy updating and it is our intent to expand and update this file on an annual basis; therefore, your comments on improvements would be appreciated, and should be directed to Mr Larry Roesler or Mr Lynn Deibler, AD/XRPT, Eglin AFB, FL 32542.

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AIR-TO-AIR
MISSILES

TARGETS AIRCRAFT

SHORT RANGE

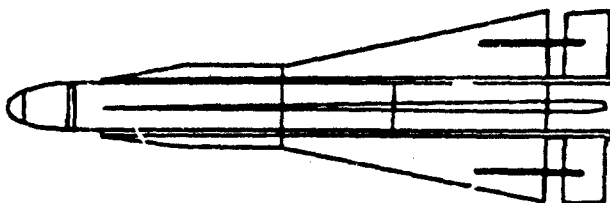
NOMENCLATURE AIM-4G

NAME FALCON

WEAPON CHARACTERISTICS

WEIGHT-146 Lbs 66 kg
 LENGTH-82.5 In 184.5 cm
 DIAMETER-6.64 IN 16.9 CM
 GUIDANCE-Infrared
 CONTROLS-TAIL HYDRAULIC
 AUTOPILOT-ANGLE RATE
 PROPULSION-BOOST 4420 LBS SUSTAIN 635LBS 53SEC/4.09SEC
 WARHEAD-BLAST 8.65 LBS
 FUZE- CONTACT LEADING EDGE OF FINS

PICTORIAL



EMPLOYMENT OPTIONS

AIRCRAFT

F-106
 F-102

ENGAGEMENT SYSTEMS

None

LAUNCHER

LE-6

LIMITATIONS

70000 FT ALT
 TARGET SPEED
 MAX 1.7M

HIT TO KILL

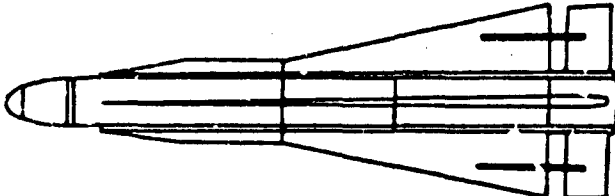
16 SEC
 REACTION TIME

PROGRAM MANAGEMENT

CONTRACTOR-HUGHES
 UNIT COST-
 STATUS-INVENTORY
 NEXT EVENT-
 REFERENCE-JMEM

TARGETS AIRCRAFT

SHORT RANGE

NOMENCLATURE AIM-4C		NAME FALCON
WEAPON CHARACTERISTICS WEIGHT-146 Lbs 66 kg LENGTH-82 5 In 184 5 cm DIAMETER-6 64 IN 16 9 CM GUIDANCE-Infrared CONTROLS-TAIL HYDRAULIC AUTOPILOT-ANGLE RATE PROPULSION-BOOST 4420 LBS SUSTAIN 635LBS 63SEC/4 09SEC WARHEAD-BLAST 8 65 LBS FUZE- CONTACT LEADING EDGE OF FINS		
PICTORIAL 		
EMPLOYMENT OPTIONS		
AIRCRAFT F-106 F-102	LIMITATIONS 70000 FT ALT TARGET SPEED MAX 1 7M	
ENGAGEMENT SYSTEMS None	HIT TO KILL	
LAUNCHER IE-6	16 SEC REACTION TIME	
PROGRAM MANAGEMENT CONTRACTOR-HUGHES UNIT COST- STATUS-INVENTORY NEXT EVENT- REFERENCE-JMEN		

TARGETS AIRCRAFT

MEDIUM RANGE

NOMENCLATURE AIM-7E-2

NAME SPARROW

WEAPON CHARACTERISTICS

WEIGHT-427 Lbs

LENGTH-145 in

DIAMETER-8 in.

GUIDANCE-Semi-active radar & HOJ

CONTROLS-Wing (hydraulic)

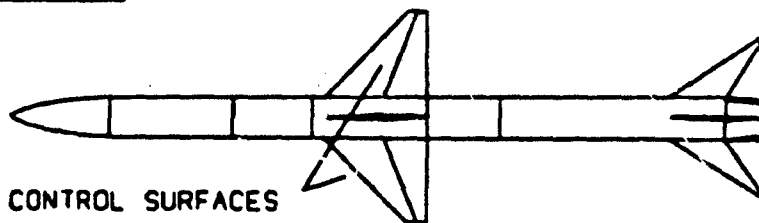
AUTOPILOT-Roll rate

PROPULSION-Boost 7,600 Lbs 2.9 sec

WARHEAD-Expanding rod 66.8 Lbs MK38

FUZE-Proximity RF & contact

PICTORIAL



EMPLOYMENT OPTIONS

AIRCRAFT

F-4
F-15
F-14

LIMITATIONS

LAUNCH MACH 0.7-2.2
MAX TGT SPEED MACH 2.2
LAUNCH ALT 25-40,000 FT
MAX TOF 40 SEC

LAUNCHER

AERO-7A
LAU-105/A

ENGAGEMENT SYSTEM

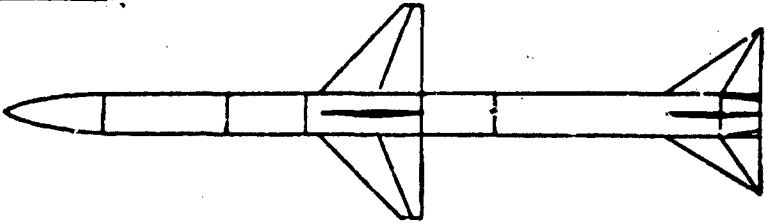
AVC-9

PROGRAM MANAGEMENT

CONTRACTOR-NAVY (RAYTHEON)
UNIT COST-
STATUS-INVENTORY
NEXT EVENT-
REFERENCE-JHEM

TARGETS AIRCRAFT

MEDIUM RANGE

NOMENCLATURE AIM-7F		NAME SPARROW
WEAPON CHARACTERISTICS		
WEIGHT-514 Lbs LENGTH-145 In DIAMETER-8 In GUIDANCE-Semi-active radar & HOJ CONTROLS-Wing (hydraulic) AUTOPILOT-Roll rate PROPULSION-Boost 5750 Lbs 4 sec sustain 1016 Lbs 11 sec WARHEAD-Continuous rod 84 Lbs FUZE-Proximity RF & contact		
PICTORIAL		
		
EMPLOYMENT OPTIONS		
AIRCRAFT F-4 (4) F-15 (4) F-14 (4)		LIMITATIONS LAUNCH MACH 0.7-2.5 MAX TGT SPEED MACH 2.2 LAUNCH ALT 25-40KFT
LAUNCHER AERO-7A LAU-106/A		
ENGAGEMENT SYSTEMS AWG-9		
PROGRAM MANAGEMENT CONTRACTOR-NAVY (RAYTHEON & GENERAL DYNAMICS) UNIT COST-\$52,500 STATUS-INVENTORY NEXT EVENT- REFERENCE-JMEM		

TARGETS AIRCRAFT

MEDIUM RANGE

NOMENCLATURE AIM -7M

NAME SPARROW

WEAPON CHARACTERISTICS

WEIGHT-514 Lbs

LENGTH-145 In

DIAMETER-8 In

GUIDANCE-Semi-active monopulse radar & HOJ

CONTROLS-Wing (hydraulic)

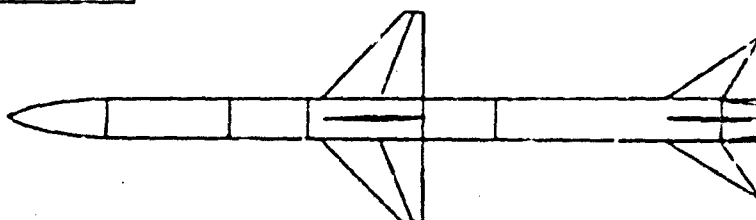
AUTOPILOT-Roll rate

PROPULSION-Boost 5750 Lbs 4.5 sec sustain 1010 Lbs 11 sec

WARHEAD-Continuous rod 84 Lbs

FUZE-Proximity RF & contact

PICTORIAL



EMPLOYMENT OPTIONS

AIRCRAFT

F-4 (4)

F-15 (4)

F-14 (4)

LIMITATIONS

LAUNCH MACH 0.7-2.5

MAX TGT. SPEED MACH 2.2

LAUNCH ALT 25-40KFT

LAUNCHER

AERO-7A

LAU-100/A

ENGAGEMENT SYSTEMS

AVC-9

PROGRAM MANAGEMENT

CONTRACTOR-NAVY (RAYTHEON)

UNIT COST-\$73,300

STATUS-INVENTORY

NEXT EVENT-

REFERENCE-JREN

TARGETS AIRCRAFT

SHORT RANGE

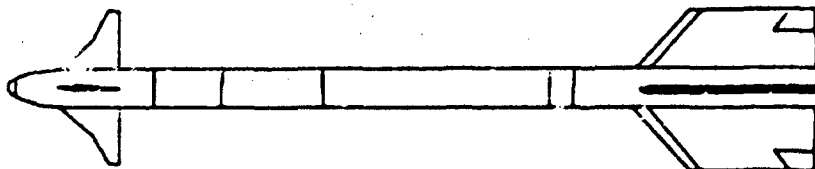
NOMENCLATURE AIM-9L

NAME SIDEWINDER

WEAPON CHARACTERISTICS

WEIGHT- 191 lbs
 LENGTH- 113 in
 DIAMETER- 5 in
 GUIDANCE- IR InSb detector
 CONTROLS- Canard torque balanced
 AUTOPILOT- none
 PROPULSION- Boost 2660 lbs thrust
 WARHEAD- Annular blast frg 20 8 lbs
 FUZE- Contact and active optical

PICTORIAL



EMPLOYMENT OPTIONS

AIRCRAFT

F-16
 F-15
 F-4
 F-14
 F-5
 A-10

LIMITATIONS

Does not
 limit F-16
 capability

LAUNCHER

AERO-3/B

PROGRAM MANAGEMENT

CONTRACTOR- NAVY (RAYTHEON & FORD)
 UNIT COST- \$39,300
 STATUS- INVENTORY
 NEXT EVENT-
 REFERENCE- JMEM

TARGETS AIRCRAFT

SHORT RANGE

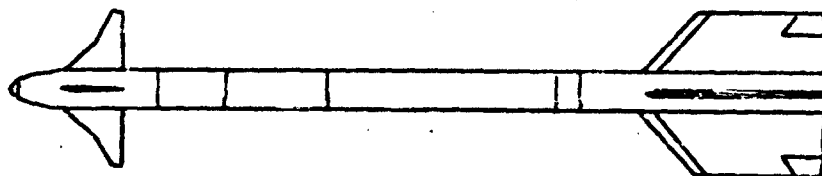
NOMENCLATURE AIM-9M

NAME SIDEWINDER

WEAPON CHARACTERISTICS

WEIGHT- 191 lbs
 LENGTH- 113 in
 DIAMETER- 5 in
 GUIDANCE- IR InSb detector
 CONTROLS- Canard torque balanced
 AUTOPILOT- none
 PROPULSION- Boost 2660 lbs thrust Low smoke
 WARHEAD- Annular blast frg 20 8 lbs
 FUZE- Contact and active optical

PICTORIAL



EMPLOYMENT OPTIONS

AIRCRAFT

F-16
 F-15
 F-4
 F-14
 F-5
 A-10

LIMITATIONS

Does not
 limit F-16
 capability

LAUNCHER

AERO-3/B
 LAU-114/A

PROGRAM MANAGEMENT

CONTRACTOR- NAVY (RAYTHEON & FORD)
 UNIT COST- \$88,833
 STATUS- INVENTORY
 NEXT EVENT-
 REFERENCE- JMEM

TARGETS AIRCRAFT

LONG RANGE

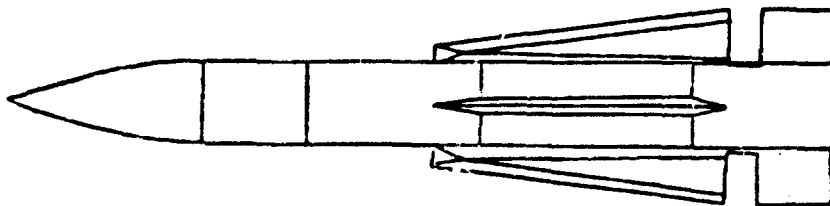
NOMENCLATURE AIM-54

NAME PHOENIX

WEAPON CHARACTERISTICS

WEIGHT-987 Lbs
LENGTH-158 In
DIAMETER-15 In
GUIDANCE-Active and semi-active radar
CONTROLS-Tail (hydraulic)
AUTOPILOT-3 axis rate
PROPULSION-Boost 4000 Lbs 30 sec
WARHEAD-Continuous rod 133 Lbs
FUZE-Proximity and contact

PICTORIAL



EMPLOYMENT OPTIONS

AIRCRAFT

F-14 (4)

ENGAGEMENT SYSTEM

AWG-9 RADAR

LIMITATIONS

LAUNCH 1.0-2.5 MACH
SEA LEVEL TO 80,000 FT.
MAX TARGET SPEED MACH 4.2

LAUNCHER

MAU-83A OR 84A

PROGRAM MANAGEMENT

CONTRACTOR-NAVY (HUGHES)

UNIT COST-

STATUS-INVENTORY

NEXT EVENT-

REFERENCE-JMEM

TARGETS AIRCRAFT

MEDIUM RANGE

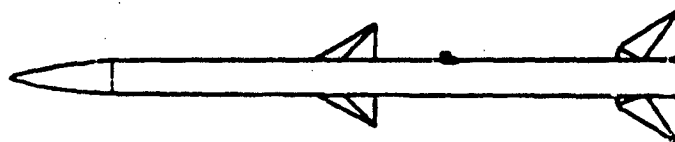
NOMENCLATURE AIM-120

NAME AMRAAM

WEAPON CHARACTERISTICS

WEIGHT- 329 LBS.
 LENGTH- 144 IN
 DIAMETER-7 IN
 GUIDANCE-[Inertial]/Command [inertial] and active radar
 CONTROLS-Tail
 AUTOPILOT-3 AXIS ACCELERATION
 PROPULSION-Boost Sustain reduced smoke
 WARHEAD- 49 LBS FRAG
 FUZE- RF

PICTORIAL



EMPLOYMENT OPTIONS

AIRCRAFT

F-15
 F-16
 F-14
 F-18
 TORONADO

LAUNCHER

NEW RAIL LAUNCHER
 MODIFIED EJECT LAUNCHER

ENGAGEMENT SYSTEMS

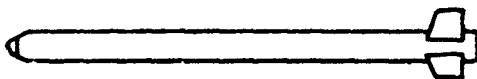
A/C RADAR
 INERTIAL SYSTEM

PROGRAM MANAGEMENT

CONTRACTOR- HUGHES
 UNIT COST-
 STATUS- FSO
 NEXT EVENT-PREPRODUCTION - 1985
 REFERENCE-YM MR. MCCARTHY 872-2848

TARGETS AIRCRAFT

SHORT RANGE

NOMENCLATURE		NAME ASRAAM
WEAPON CHARACTERISTICS		
WEIGHT- 130 LBS LENGTH- 90 IN DIAMETER- 7 IN GUIDANCE- IR CONTROLS- TAIL AUTOPILOT- TBD PROPULSION- BOOST SUSTAIN WARHEAD- BLAST FRAG FUZE- CONTACT / PROX.		
PICTORIAL		
		
EMPLOYMENT OPTIONS		
AIRCRAFT F-15 F-16 F-18 TORONADO ATF		
LAUNCHER AIM-9L OR AIM-120 COMPATABLE		
ENGAGEMENT SYSTEMS HUD HELMET MOUNTED DISPLAY		
PROGRAM MANAGEMENT CONTRACTOR- U K. AND FRG UNIT COST- STATUS- NEXT EVENT- ENGINEERING DEV 1995 REFERENCE- MAJ MCMULLAN AV 872-0110		

TARGETS AIRCRAFT

LONG RANGE

NOMENCLATURE

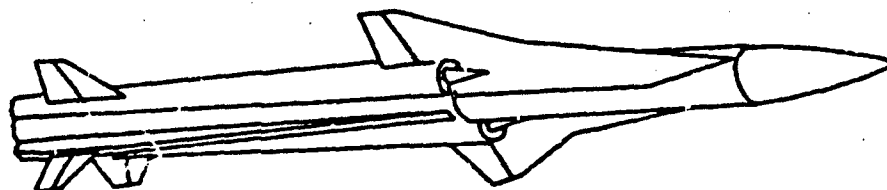
NAME EMRAAT

WEAPON CHARACTERISTICS

WEIGHT-325 Lbs
 LENGTH-144 IN
 DIAMETER-7 In
 GUIDANCE-Passive-active all weather seeker (PAAS)
 CONTROLS-Tail electric actuators
 AUTOPILOT-3 axis accel adaptive digital
 PROPULSION-Boost 10,000 Lbs 2sec sustain 50-1000 Lbs 100 sec
 WARHEAD-40-50 Lbs SAW/Self-forging frag aimed elliptical
 FUZE-Active RF/IR adaptive, seeker integrated

Propulsion is ducted rocket or ramjet

PICTORIAL



EMPLOYMENT OPTIONS

AIRCRAFT

F-15
 F-14
 NATO
 F-16

LAUNCHER

AMRAAM LAUNCHERS

ENGAGEMENT SYSTEM

IRST
 FCS/TWS (3RD PARTY FCS)
 DATA LINK (AMRAAM) JTIDS
 ECM/EW TRACK SYSTEM

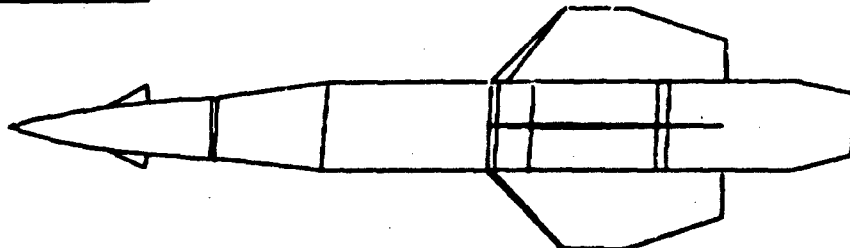
PROGRAM MANAGEMENT

CONTRACTOR-VOUGHT
 UNIT COST-AM-120 + \$20K
 STATUS-CONCEPT DEVELOPMENT
 NEXT EVENT-TECH DEMO 1986-1989
 REFERENCE-MR. BUTLER 872-2088

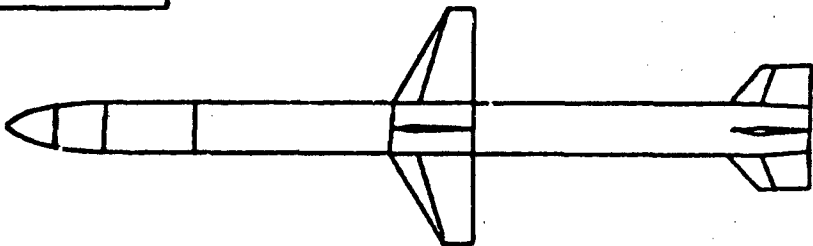
GUIDED WEAPONS

TARGETS HARD FIXED

SHORT RANGE

NOMENCLATURE	AGM-12C	NAME	BULL PUP
WEAPON CHARACTERISTICS			
WEIGHT-1789lb LENGTH-160 8in DIAMETER-17 3in GUIDANCE-PILOT VISUAL TRACK, VHF DL STEERING COMMAND CONTROLS- PNEUMATIC OPERATED CANARDS AUTOPILOT-ROLL REFERENCE CYRO PROPULSION-67,200 lb-sec WARHEAD-374lb blast frag FUZE-SELECTABLE IMPACT DELAY OR PROX			
PICTORIAL			
			
EMPLOYMENT OPTIONS			
AIRCRAFT F-4			
ENGAGEMENT SYSTEMS JOY STICK DATA LINK			
LIMITATIONS STRAIGHT AND LEVEL DELIVERY			
PROGRAM MANAGEMENT CONTRACTOR-MARTIN/THIOL UNIT COST- STATUS-INVENTORY NEXT EVENT- REFERENCE-JMEM			

TARGETS RADAR EMITTERS
MEDIUM RANGE

NOMENCLATURE AGM-45		NAME SHRIKE
WEAPON CHARACTERISTICS		
WEIGHT- 400lbs 181kg LENGTH- 120in 304 8cm DIAMETER- 8in 18 3cm GUIDANCE- passive RF, onirradiation CONTROLS- wing, hot gas AUTOPILOT- angle rate roll stabilized PROPULSION- boost 7000lbs sustain 10,450lbs WARHEAD- 151 Lbs patterned frag. MK 52, 68, 69 FUZE- proximity and contact MK 338 & MK 44		
PICTORIAL		
		
EMPLOYMENT OPTIONS		
AIRCRAFT F-4 (4) F-15 (4) F-16 A-7 A-10 B-52 F-105 (4)		LIMITATIONS SUSCEPTABLE TO RADAR SHUTDOWN LAUNCHERS LAU-31/A AERO-5A-1
ENGAGEMENT SYSTEMS Audio control panel Altitude indicator APR-38		
PROGRAM MANAGEMENT CONTRACTOR- TEXAS INSTRUMENTS UNIT COST- \$20,000 STATUS- INVENTORY NEXT EVENT- REFERENCE- JMEM 3-23		

TARGETS HARD FIXED

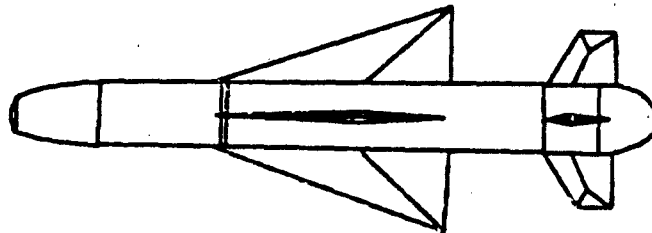
MEDIUM RANGE

NOMENCLATURE	ACM-53A-1/2	NAME	CONDOR
--------------	-------------	------	--------

WEAPON CHARACTERISTICS

WEIGHT- 2130lb
LENGTH- 166/175 5in
DIAMETER-17in
GUIDANCE-EO WITH DATA LINK
CONTROLS-TAIL
AUTOPILOT-3 AXIS ACC
PROPULSION-BOOST 880lb (170sec)
WARHEAD- 650lb WDU-7/B
FUZE-MK 383 MOD 0 IMPACT OR 14msec DELAY

PICTORIAL



EMPLOYMENT OPTIONS

AIRCRAFT
A-6E

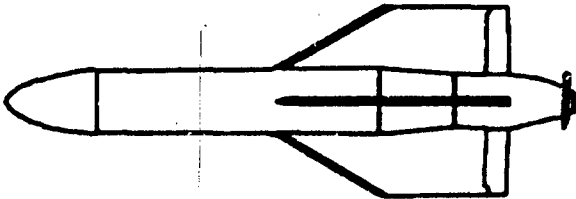
LAUNCHER
AERO 7A-R
MAUSA/A

ENGAGEMENT SYSTEMS
CONTROL POD

PROGRAM MANAGEMENT
CONTRACTOR-ROCKWELL
UNIT COST- \$200,000 (FY77)
STATUS- TERMINATED IN VALIDATION
NEXT EVENT-
REFERENCE- JMEM

TARGETS SHIPS

LONG RANGE

NOMENCLATURE		AGM 62B	NAME: WALLEYE II
WEAPON CHARACTERISTICS			
WEIGHT-2340lb LENGTH-158in DIAMETER-18in GUIDANCE-EO CONTRAST TRACKER /DATA LINK CONTROLS-TAIL (HYDRAULIC) AUTOPILOT-ROLL CONTROL PROPULSION-NONE WARHEAD-2015lb LINEAR SHAPED CHARGE M58 FUZE-CONTACT WITH DELAY (35msec)			
PICTORIAL			
			
EMPLOYMENT OPTIONS			
AIRCRAFT F-4 (4) A-7 (4) A-4 (4)			
LAUNCHER PYLON MOUNTED MAU-12A/B			
ENGAGEMENT SYSTEMS RADAR SCOPE			
LIMITATIONS LAUNCH 3450mph--0.95M			
PROGRAM MANAGEMENT CONTRACTOR-MARTIN MARETTA UNIT COST- STATUS- INVENTORY NEXT EVENT- REFERENCE- JMEM			

TARGETS ARMOR

SHORT RANGE

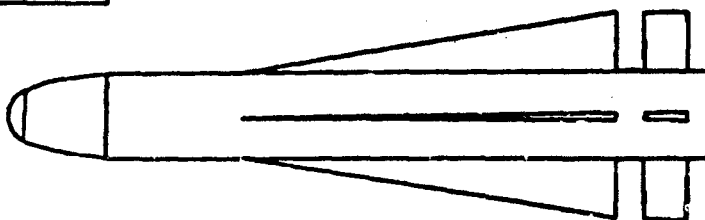
NOMENCLATURE: AGM-85A/B

NAME: MAVERICK

WEAPON CHARACTERISTICS

WEIGHT- 465 LBS
 LENGTH- 97 7/8 in
 DIAMETER- 12 IN
 GUIDANCE- TV
 CONTROLS- TAIL
 AUTOPILOT- PURSUIT
 PROPULSION- BOOST SUSTAIN
 WARHEAD- SHAPED CHARGE 125 LBS
 FUZE- CONTACT

PICTORIAL



EMPLOYMENT OPTIONS

AIRCRAFT

F-4
 A-7
 A-10
 F-16

LIMITATIONS

MACH 5-1.5
 BELOW 33 KFT

LAUNCHER
 LAU-88A

ENGAGEMENT SYSTEMS

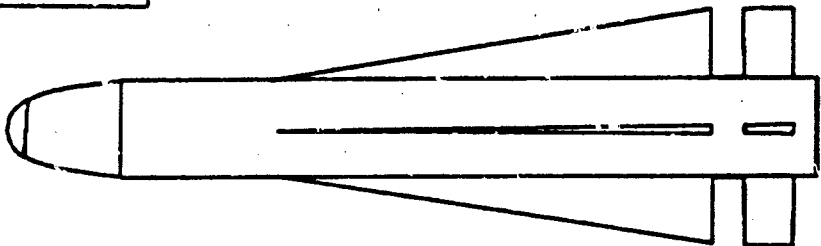
TV DISPLAY
 JOY STICK

PROGRAM MANAGEMENT

CONTRACTOR- HUGHES
 UNIT COST- \$17,000
 STATUS- INVENTORY
 NEXT EVENT-
 REFERENCE- JHEM

TARGETS - ARMOR

SHORT RANGE

NOMENCLATURE	AGM-65D	NAME	MAVERICK
WEAPON CHARACTERISTICS			
WEIGHT- 485 LBS LENGTH- 97 7in DIAMETER-12IN GUIDANCE-IIR CONTROLS-TAIL AUTOPILOT-ROLL STABILIZED 3 AXIS PROPULSION-BOOST SUSTAIN WARHEAD-SHAPED CHARGE 125LBS FUZE- CONTACT			
PICTORIAL			
			
EMPLOYMENT OPTIONS			
AIRCRAFT F-4 (4) F-15 (4) A-7 (4) A-10 (4) F-16 (4)		LAUNCHER LAU-88A LAU-117A	
ENGAGEMENT SYSTEMS TV DISPLAY Joy stick Lantern pod planned			
LIMITATIONS MACH 5-1.5			
PROGRAM MANAGEMENT CONTRACTOR-HUGHES UNIT COST-\$90,000 STATUS- PRODUCTION NEXT EVENT-IOC REFERENCE-			

TARGETS ARMOR & HARD FIXED

SHORT RANGE

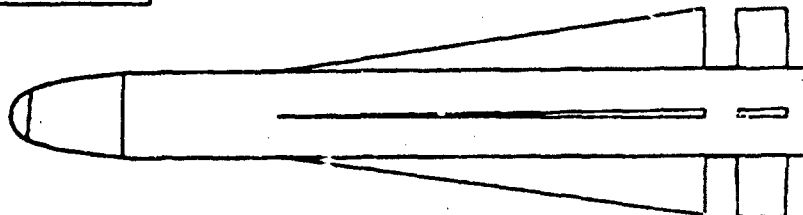
NOMENCLATURE AGM-65F

NAME MAVERICK

WEAPON CHARACTERISTICS

WEIGHT- 675 LBS
LENGTH- 97 7/8
DIAMETER-12IN
GUIDANCE-IR
CONTROLS-TAIL
AUTOPILOT-ROLL STABILIZED 3 AXIS
PROPULSION-BOOST SUSTAIN
WARHEAD- 300 LBS BLAST-FRAG
FUZE- CONTACT TIME DELAY

PICTORIAL



EMPLOYMENT OPTIONS

AIRCRAFT

F-4 (4) F-15 (4)
A-7 (4)
A-10 (4)
F-16 (4)

LAUNCHER

LAU-88A
LAU-117A

ENGAGEMENT SYSTEMS

TV DISPLAY
Joy stick

LIMITATIONS

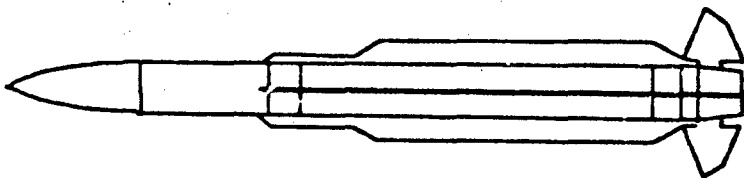
MACH 5-1.5

PROGRAM MANAGEMENT

CONTRACTOR- HUGHES
UNIT COST-
STATUS- PRODUCTION
NEXT EVENT-
REFERENCE- JMEM

TARGETS EMITTERS

LONG RANGE

NOMENCLATURE		AGM-78	NAME STANDARD ARM
WEAPON CHARACTERISTICS			
WEIGHT- 1358 lbs.			
LENGTH- 180 IN.			
DIAMETER- 13.5 IN.			
GUIDANCE- PASSIVE RADIATION HOMING			
CONTROLS- TAIL			
AUTOPILOT- THREE AXIS ADAPTIVE			
PROPULSION- BOOST SUSTAIN 120,000 lbs-sec			
WARHEAD- BLAST FRAGMENTATION 223 LBS MK 73 MOD 0,1			
FUZE- ACTIVE OPTICAL PROX (DSU-10/B)			
PICTORIAL			
			
EMPLOYMENT OPTIONS			
AIRCRAFT		LIMITATIONS	
F-4 (4)		MAX RANGE 65NM	
F-105 (2)		MAX LAUNCH VELOCITY 2 G	
A-6E			
LAUNCHER			
LAU-77			
LAU-78			
LAU-80			
ENGAGEMENT SYSTEMS			
AVC-21			
APR-35, 36, 37			
ALR-89			
PROGRAM MANAGEMENT			
CONTRACTOR- GENERAL DYNAMICS			
UNIT COST-			
STATUS- INVENTORY			
NEXT EVENT-			
REFERENCE- JMEM 3-35			

TARGETS SHIPS

LONG RANGE

NOMENCLATURE

ACM 84

NAME: HARPOON

WEAPON CHARACTERISTICS

WEIGHT-1100lb

LENGTH-151in

DIAMETER-13.5in

GUIDANCE-INS MIDCOURSE, ACTIVE RADAR TERMINAL

CONTROLS-TAIL

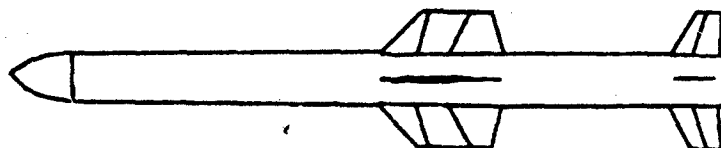
AUTOPILOT-INS

PROPULSION-TURBOJET SUSTAINER ENGINE

WARHEAD-500lb DESTEX

FUZE- CONTACT

PICTORIAL



EMPLOYMENT OPTIONS

AIRCRAFT

P-3

S-3

A-7

A-6E

LAUNCHER

AERO 85A1

MAU-9A/A

AERO 7A-1

ENGAGEMENT SYSTEMS

INS INITIALIZATIONS

PROGRAM MANAGEMENT

CONTRACTOR-MCDONNELL DOUGLAS/IBM/TI

UNIT COST-

STATUS-INVENTORY

NEXT EVENT-

REFERENCE-JMEM

TARGETS EMITTERS

MEDIUM RANGE

NOMENCLATURE AGM-88

NAME HARM

WEAPON CHARACTERISTICS

WEIGHT- 750 LBS

LENGTH- 164 IN

DIAMETER- 10 IN

GUIDANCE- ANTI-RADIATION

CONTROLS- WING ELECTRO-MECHANICAL

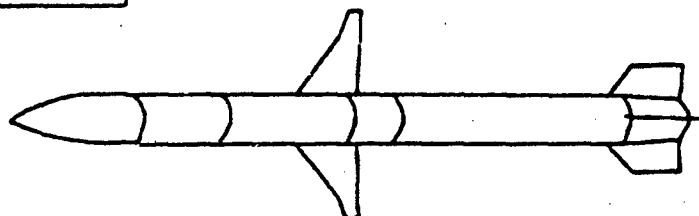
AUTOPILOT- 3 AXIS RATE

PROPULSION- BOOST SUSTAIN 84,000 LBS-SEC LOW SMOKE

WARHEAD- 146 LBS BLAST FRAC

FUZE- PULSED LASER PROX /CONTACT

PICTORIAL



EMPLOYMENT OPTIONS

AIRCRAFT

F-4 (4)

F-14 (6)

ENGAGEMENT SYSTEMS

APR-38

RWR

LAUNCHER

LAU-118

PROGRAM MANAGEMENT

CONTRACTOR-TEXAS INSTRUMENTS

UNIT COST- \$280,000

STATUS-PRODUCTION

NEXT EVENT-

REFERENCE-JMEM 3-41

TARGETS AIRFIELDS & RUNWAYS

LONG RANGE

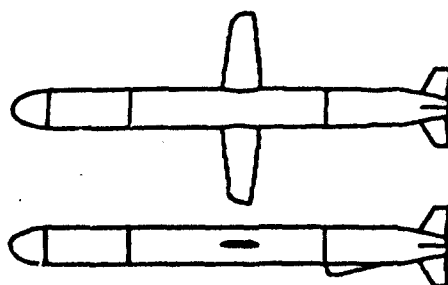
NOMENCLATURE. AGM-109H

NAME MRASM

WEAPON CHARACTERISTICS

WEIGHT- 3000 Lbs
 LENGTH- 232 In
 DIAMETER- 20 3/4 In
 GUIDANCE- Inertial update
 CONTROLS- Tail
 AUTOPILOT- 3 axis acceleration
 PROPULSION- Turbojet
 WARHEAD- See submunitions below
 FUZE- See submunitions

PICTORIAL



EMPLOYMENT OPTIONS

SUBMUNITIONS

ACM
 AMIS
 BLU-63
 BTM
 VAM
 CEB
 BKEP

ENGAGEMENT SYSTEMS
 INERTIAL SYSTEM

AIRCRAFT

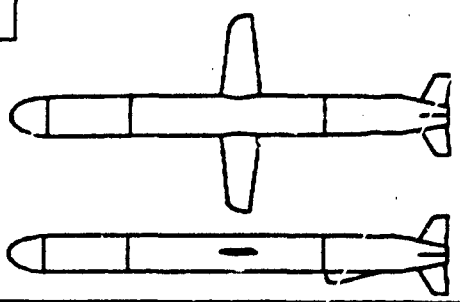
B-52 (12)

PROGRAM MANAGEMENT

CONTRACTOR- GENERAL DYNAMICS
 UNIT COST- \$840,700
 STATUS- TERMINATED 1983
 NEXT EVENT-
 REFERENCE- MAJ. VEISS AV 872-4151

TARGETS HARD FIXED

LONG RANGE

NOMENCLATURE AGM-109I		NAME MRASM VARIANT
WEAPON CHARACTERISTICS		
WEIGHT-3000 Lbs LENGTH-232 In DIAMETER-20 3 In GUIDANCE-Inertial update/IIR terminal (DSMAC) CONTROLS-Tail AUTOPILOT-3 axis acceleration PROPULSION-Turbojet WARHEAD- WDU-25 A/B 967 Lbs penetrator with 357 Lbs. H.E. FUZE-FMU-138/B		
PICTORIAL		
		
EMPLOYMENT OPTIONS		
AIRCRAFT B-52D (11)		ENGAGEMENT SYSTEMS INERTIAL SYSTEM
PROGRAM MANAGEMENT CONTRACTOR- GENERAL DYNAMICS UNIT COST- \$540,700 STATUS- TERMINATED NEXT EVENT- REFERENCE- MAJ. WEISS AV 872-4151		

TARGETS HARD POINT TARGETS

MEDIUM RANGE

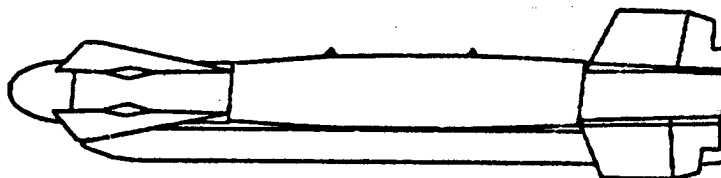
NOMENCLATURE AGM-130A

NAME POWERED GBU-15

WEAPON CHARACTERISTICS

WEIGHT- 2900 LBS.
LENGTH- 158.5 IN.
DIAMETER- 18 IN
GUIDANCE- TV/IIR/DATA LINK
CONTROLS- TAIL
AUTOPILOT- PITCH & YAW RATE, ROLL POSITION
PROPULSION- 8-9 IN DIA 120 IN LENGTH, 350 LBS BOOST
WARHEAD- MK-84, IMP MK-84, MK-83
FUZE- FMU-124A/B

PICTORIAL



EMPLOYMENT OPTIONS

AIRCRAFT

F-4E (4)
F-111 (4)
F-15 (2)
F-18 (2)

LIMITATIONS

0.55-1.4 MACH BELOW 40 KFT

ENGAGEMENT SYSTEMS

TV, IIR, RADAR DISPLAY
JOY STICK
DATA LINK

LAUNCHER

MAU-12

PROGRAM MANAGEMENT

CONTRACTOR- HUGHES/ROCKWELL
UNIT COST- TBD
STATUS- PRE FSD
NEXT EVENT- FSD JUNE 84
REFERENCE-

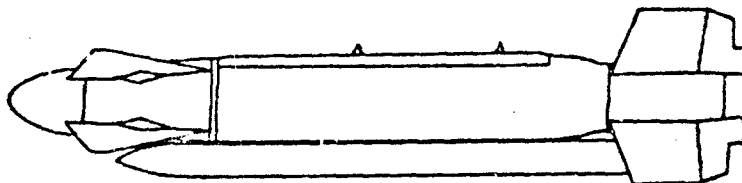
TARGETS

NOMENCLATURE AGM-130B	NAME POWERED CBU-15
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WEAPON CHARACTERISTICS

WEIGHT- 3000 #
 LENGTH- 160"
 DIAMETER-20 25"
 GUIDANCE-TV/IIR/DATA LINK
 CONTROLS- TAIL
 AUTOPILOT-PITCH & YAW, ROLL POSIT
 PROPULSION-8-9" DIA, 120" LENGTH, 350#
 WARHEAD-
 FUZE- 124A/B MODIFIED

PICTORIAL



EMPLOYMENT OPTIONS

AIRCRAFT

F-4E F-15 } ANTICIPATED
 F-111F A-10

SUBMUNITIONS

BLU-97/B (CEB~400)
 BKEP ANTICIP (~400)

ENGAGEMENT SYSTEMS

TV, IIR, & RADAR DISPLAY
 JOY STICK
 DATA LINK CONTROL PANEL

DISPENSER

SUU-54A/B

PROGRAM MANAGEMENT

CONTRACTOR- G&C HUGHES, CONTROLS ROCKWELL
 UNIT COST-
 STATUS-
 NEXT EVENT-FSED ~ JUN 84
 REFERENCE-

TARGETS: ARMOR/AIRFIELDS

MEDIUM RANGE

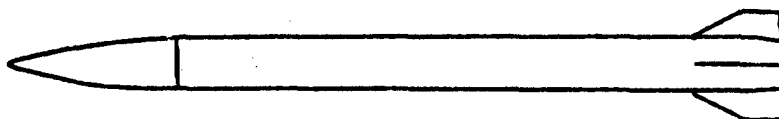
NOMENCLATURE

NAME ASSAULT BREAKER

WEAPON CHARACTERISTICS

WEIGHT- 2720 lbs
LENGTH- 254 in
DIAMETER- 16 1/2 in
GUIDANCE- Inertial update from PAVE MOVER
CONTROLS- Tail
AUTOPILOT- 3 axis acc
PROPULSION- TBD
WARHEAD- See submunition
FUZE- See submunition

PICTORIAL



EMPLOYMENT OPTIONS

SUBMUNITIONS

Sheet
TCSM
CADM
CEB
BLU 63
VAM 93

ENGAGEMENT SYSTEMS

Inertial system
PAVE MOVER data link

AIRCRAFT

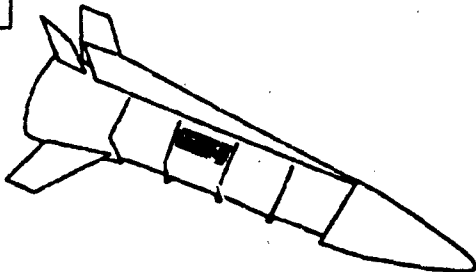
B-52
F-111 (4)
F-4 (2)
F-16 (2)
A-10 (2)
A-7 (2)

PROGRAM MANAGEMENT

CONTRACTOR- MARTIN MARIETTA
UNIT COSY-
STATUS- TECHNOLOGY TRANSFERED TO JTACMS
NEXT EVENT-
REFERENCE- ESD AV 478-5080 EXT 3075

TARGETS HIGH VALUE FIXED

VERY LONG RANGE

NOMENCLATURE		NAME AXE
WEAPON CHARACTERISTICS WEIGHT- 60,100 LBS LENGTH- 48 FT DIAMETER- TBD GUIDANCE- UPDATED INERTIAL CONTROLS- TAIL AUTOPILOT- 3 AXIS ACCELERATION PROPULSION- TWO STAGE SOLID WARHEAD- SUBMUNITIONS OR UNITARY FUZE- ALTITUDE SENSOR		
PICTORIAL		
 ONE CONCEPT DESIGN TBD		
EMPLOYMENT OPTIONS		
SUBMUNITIONS KEP (384) GATOR		
PROGRAM MANAGEMENT CONTRACTOR- TBD UNIT COST- STATUS- CONCEPT FORMULATION NEXT EVENT- REFERENCE- XRO AV 872-4151		

TARGETS HARD FIXED

LONG RANGE

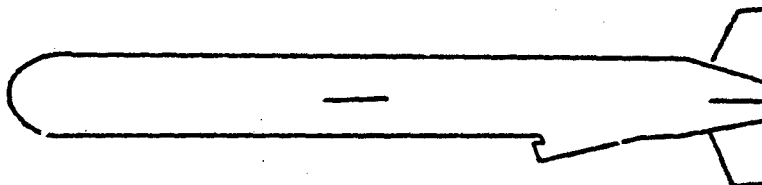
NOMENCLATURE

NAME BACK BREAKER

WEAPON CHARACTERISTICS

WEIGHT- Depends on submunition (LESS THAN 3000 Lbs)
LENGTH- 232 In
DIAMETER- 20.3 In
GUIDANCE- Inertial update
CONTROLS- Tail
AUTOPILOT- 3 axis acceleration
PROPULSION- Turbojet
WARHEAD- See submunitions below
FUZE- TBD

PICTORIAL



EMPLOYMENT OPTIONS

SUBMUNITIONS

ACM
AMIS
BLU-63
BTM
CADM
CEB
TCSM

ENGAGEMENT SYSTEMS
INERTIAL SYSTEM

AIRCRAFT

B-52

PROGRAM MANAGEMENT

CONTRACTOR-

UNIT COST-

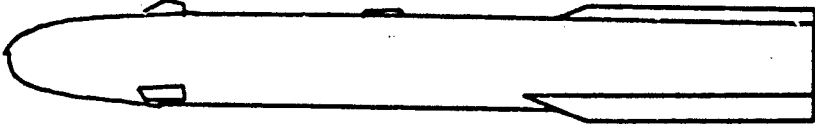
STATUS- ADVANCED DEVELOPMENT COMPLETED

NEXT EVENT-

REFERENCE- MR. GAY AV 872-2838

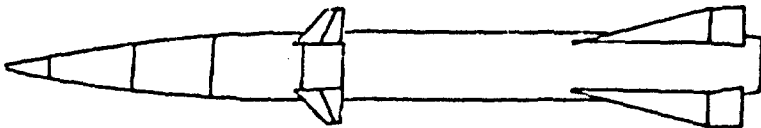
TARGETS ARMOR

SHORT RANGE

NOMENCLATURE	NAME HELLFIRE
WEAPON CHARACTERISTICS WEIGHT- 90lb LENGTH- 64in DIAMETER- 7in GUIDANCE- LASER CONTROLS- TAIL AUTOPILOT- PITCH/ROLL GYRO PROPULSION- 20,000lb-sec WARHEAD- 20lb SHAPED CHARGE FUZE- CONTACT	
PICTORIAL 	
EMPLOYMENT OPTIONS AIRCRAFT A-10 ATTACK HELICOPTERS LAUNCHER FOUR RAIL UNIQUE DESIGN ENGAGEMENT SYSTEMS LAUNCHER INTERFACE PROGRAM MANAGEMENT CONTRACTOR- ROCKWELL UNIT COST- \$35,000 STATUS- PRODUCTION (ARMY) NEXT EVENT- REFERENCE-	

TARGETS: DEEP STRIKE

LONG RANGE

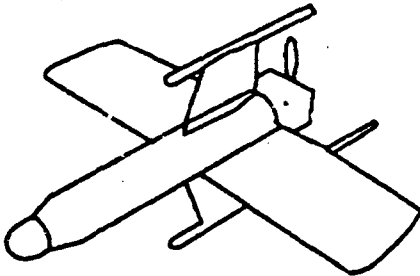
NOMENCLATURE		NAME JTACMS
WEAPON CHARACTERISTICS		
WEIGHT- 3300 LBS LENGTH- 208 in DIAMETER- 19 7 in GUIDANCE- Inertial updated (PLSS & JSTARS) CONTROLS- tail AUTOPILOT- 3 axis acceleration PROPULSION- TBD (ROCKET OR INTEGRAL ROCKET RAMJET) WARHEAD- See submunitions FUZE- PROGRAMMABLE		
PICTORIAL		
GENERIC SYSTEM 		
EMPLOYMENT OPTIONS		
SUBMUNITIONS TCSM KEP SKEET CEB M-74 MINES UNITARY (1000) CHEMICAL OR NUCLEAR LAUNCH VEHICLES B-52 G/H F-16 HEMTT TRUCK		
PROGRAM MANAGEMENT CONTRACTOR- TBD UNIT COST- STATUS- PRE FSD STUDY NEXT EVENT- FSD 1995 REFERENCE- COL. BARNETT AV 746-1141		

TARGETS SAM SITES

NOMENCLATURE		NAME LSD
WEAPON CHARACTERISTICS		
WEIGHT- 270 LBS LENGTH- 144 IN. DIAMETER-7 IN. GUIDANCE-ARH/MMW CONTROLS-TAIL AUTOPILOT-3 axis acc PROPULSION-BOOST/ LOW SMOKE WARHEAD-25 LBS FUZE-Proximity fuze		
PICTORIAL		
FOLDING FIN OPTION		
		
EMPLOYMENT OPTIONS		
AIRCRAFT		LIMITATIONS
ATF		Min. launch alt. 100ft.
F-16		Max. alt. 15000ft.
F-15		Min launch range 1.5km.
F-111		Max launch range 30km.
ENGAGEMENT SYSTEMS		LAUNCHER
RVR		AMRAAM EJECTOR MODULAR
INERTIAL SENSORS		RAIL LAUNCHER
JTIDS		
GPS/DME		
PROGRAM MANAGEMENT		
CONTRACTOR-		
UNIT COST-		
STATUS-		
NEXT EVENT-		
REFERENCE-		

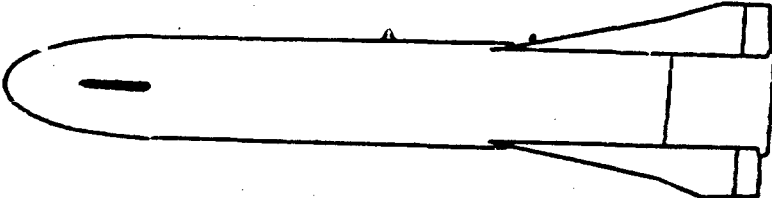
TARGETS EMITTERS

LONG RANGE

NOMENCLATURE		NAME LOCUST
WEAPON CHARACTERISTICS		
WEIGHT- 174.8 Lbs LENGTH- 8.5 Ft DIAMETER-10 In. GUIDANCE-ARM/OMEGA update CONTROLS-Ailerons & rudder AUTOPILOT- PROPULSION-internal combustion WARHEAD-13.5 Lbs FUZE-contact		
PICTORIAL		
		
EMPLOYMENT OPTIONS		
GROUND LAUNCHED DRONE		
PROGRAM MANAGEMENT CONTRACTOR-GENERAL DYNAMICS, TEXAS INSTR., TELEDYNE, VFW, DONIER, HBB UNIT COST-\$14,000 STATUS-TERMINATED 1981 IN VALIDATION NEXT EVENT- REFERENCE-		

TARGETS ARMOR/AIRFIELDS

MEDIUM RANGE

NOMENCLATURE		NAME ADVANCED CLUSTER WEAPON
WEAPON CHARACTERISTICS		(HAMMER) (SAW)
WEIGHT- 3000 Lbs (INCLUDES SUBMUNITIONS) LENGTH- 104 INS DIAMETER-23 x 23 INS GUIDANCE-2-AXIS AUTOPILOT INERTIAL CONTROLS-BANK TO TURN TAIL AUTOPILOT-PREPROGRAMMED PRIOR TO LAUNCH PROPULSION-12,900 lb-sec MOTOR OPTIONAL WARHEAD-MUNITIONS DISPENSER FUZE-S/A FSU 9		
PICTORIAL		
		
EMPLOYMENT OPTIONS		POSSIBLE SUBMUNITIONS
AIRCRAFT F-4 (2) F-15 (2) F-16 (2) F-111 (4) A-10 (2) A-7 (2)		BLU-86 CEB SKEET SADARM SC-357 M-74 STABO HB-870 MUS KB-44 BKEP HTW
ENGAGEMENT SYSTEMS		
1760 INTERFACE		
LIMITATIONS		
MACH 0.4 TO 1.2		
PROGRAM MANAGEMENT		
CONTRACTOR-		
UNIT COST-		
STATUS-CONCEPT DEVELOPMENT		
NEXT EVENT- FSD 86		
REFERENCE-L/C NANCE AV 872-4151		

TARGETS:EMITTERS

SHORT RANGE

NOMENCLATURE

NAME SPV

WEAPON CHARACTERISTICS

WEIGHT-150-200 Lbs
 LENGTH-110-120 In
 DIAMETER-5 In
 GUIDANCE-ARH/Inertial/MMW or IIR
 CONTROLS-Tail or canard
 AUTOPILOT-3 axis acc
 PROPULSION-Boost/low smoke or ducted rocket
 WARHEAD-20-34 Lbs blast frag.
 FUZE-Proximity fuze

PICTORIAL

ONE OF FIVE CONCEPTS



EMPLOYMENT OPTIONS

AIRCRAFT

A-10
 F-4
 F-16
 F-15
 F-111
 A-7
 B-52

LIMITATIONS

Min launch alt. 100ft
 Max alt. 15000ft
 Min launch range 1.5km
 Max launch range 30km

ENGAGEMENT SYSTEMS

RWR
 INERTIAL SENSORS
 JTIDS
 GPS/DME

PROGRAM MANAGEMENT

CONTRACTOR-HUGHES, ROCKWELL, TI, CO, MARTIN
 UNIT COST-
 STATUS- TERMINATED 1980 IN CONCEPT DEV
 NEXT EVENT-TECHNOLOGY TRANSFERRED TO SIDEARM II
 REFERENCE-AD/XRC AV 872-3722

TARGETS HARD FIXED

SHORT RANGE

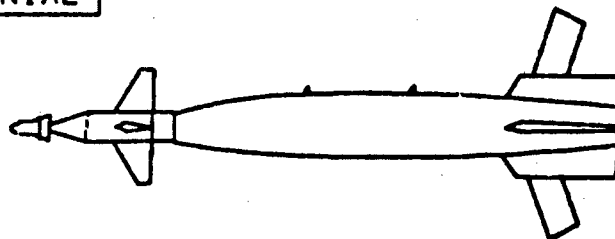
NOMENCLATURE GBU-10C/D

NAME LASER GUIDED BOMB

WEAPON CHARACTERISTICS

WEIGHT- 2081 LBS
LENGTH- 168.9 IN
DIAMETER- 18 IN
GUIDANCE- Semi-active Laser (1.06 microns)
CONTROLS- Canard
AUTOPILOT- Proportional
PROPULSION- None
WARHEAD- MK-84 Bomb
FUZE- Selectable see JMEM pg 1061

PICTORIAL



EMPLOYMENT OPTIONS

AIRCRAFT

A-7 (2)
F-4 (2-4)
F-16 (2)
F-111 (4)
F-15 (2)

LIMITATIONS

MAX VEL. 600 KTAS

ENGAGEMENT SYSTEMS

PAVE TACK
LASER DESIGNATOR

LAUNCHER

MK 3 MOD 0 LUGS

PROGRAM MANAGEMENT

CONTRACTOR- OGDEN AIR LOGISTICS CENTER
UNIT COST- \$10,000
STATUS- INVENTORY
NEXT EVENT-
REFERENCE- JMEM 1-10

TARGETS HARD FIXED TARGETS

SHORT RANGE

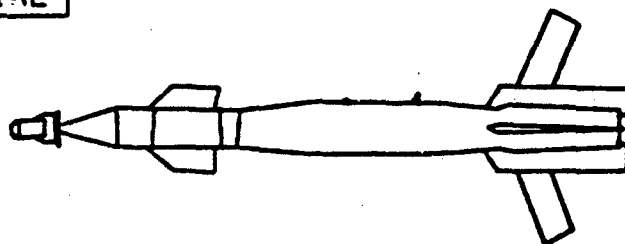
NOMENCLATURE GBU-12B/B

NAME LASER GUIDED BOMB

WEAPON CHARACTERISTICS

WEIGHT- 600-650 LBS.
LENGTH- 126-131 IN.
DIAMETER- 10 8 IN
GUIDANCE- SEMI-ACTIVE LASER 1 00 MICRONS
CONTROLS- CANARD
AUTOPILOT- ANGLE RATE
PROPULSION- None
WARHEAD- MK-82 BOMB
FUZE- SELECTABLE SEE JMEM

PICTORIAL



EMPLOYMENT OPTIONS

AIRCRAFT

A-7 (4)
F-4 (2-4)
F-16 (4)
F-111 (4)
F-15 (4)

LIMITATIONS

MAX VELOCITY 600 KTAS

ENGAGEMENT SYSTEMS

PAVE TACK
LASER POD

LAUNCHER

MS3314 LUGS

PROGRAM MANAGEMENT

CONTRACTOR- OGDEN AIR LOGISTICS CENTER
UNIT COST- 88,100
STATUS- INVENTORY
NEXT EVENT-
REFERENCE- JMEM 1-52

TARGETS SHIPS, SAMSITES, BRIDGES

MEDIUM RANGE

NOMENCLATURE CBU-15 (V) 1/B NAME:

WEAPON CHARACTERISTICS

WEIGHT-2500 LBS

LENGTH-154 5 In

DIAMETER-18 In

GUIDANCE-TV/DATA LINK

CONTROLS-Tail

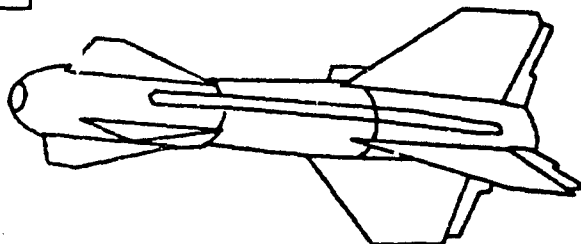
AUTOPILOT-Pitch & Yaw rate, Roll position

PROPULSION-None

WARHEAD-MK-84

FUZE-FMU-124A/B

PICTORIAL



EMPLOYMENT OPTIONS

AIRCRAFT

B-52 (4)

F-4 (2)

F-111 (4)

A-7 (2)

LAUNCHER

MAU-12

LIMITATIONS

SS-1 4 MACH BELOW 40 KFT.

ENGAGEMENT SYSTEM

TV & Radar Display

Joy stick

Data link Control panel

DISPENSER

MK-84

PROGRAM MANAGEMENT

CONTRACTOR-HUGHES/ROCKWELL

UNIT COST-\$131,000

STATUS-INVENTORY

NEXT EVENT-

REFERENCE-MR. PRESCOT 872-4281

TARGETS SHIPS ,SAMSITES ,BRIDGES

MEDIUM RANGE

NOMENCLATURE CBU-15(V) 2/B

NAME :

WEAPON CHARACTERISTICS

WEIGHT- 2500 LBS

LENGTH-154.5 In.

DIAMETER-18 In.

GUIDANCE-IR/Beacon/Data link

CONTROLS-Tail

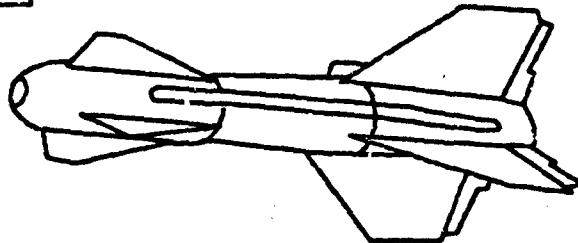
AUTOPILOT-Pitch & Yaw rate, Roll position

PROPULSION-None

WARHEAD-MK-84

FUZE-FMU-124A/B

PICTORIAL



EMPLOYMENT OPTIONS

AIRCRAFT

B-52 (4)

F-4 (2)

F-111 (4)

A-7 (2)

LAUNCHER

MAU-12

LIMITATIONS

.55-1.4 MACH BELOW 40 KFT

ENGAGEMENT SYSTEM

TV & Radar Display

Joy stick

Data link Control panel

DISPENSER

MK-84

PROGRAM MANAGEMENT

CONTRACTOR-HUGHES/ROCKWELL

UNIT COST-\$190,000

STATUS-10T&E

NEXT EVENT-PRODUCTION DECISION 1985

REFERENCE-CAPT PHILLIPS AV 872-4100

TARGETS: PERSONNEL/ARMOR/AIRFIELDS

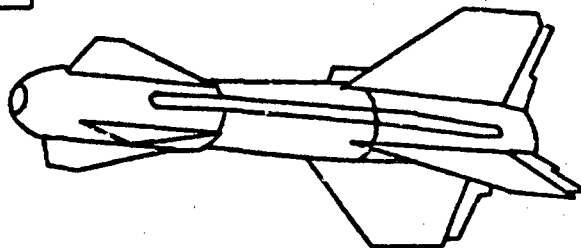
MEDIUM RANGE

NOMENCLATURE: GBU-15(V) 3/B NAME

WEAPON CHARACTERISTICS

WEIGHT-2050 LBS
LENGTH-154 IN
DIAMETER- 20 IN.
GUIDANCE- IIR/TV/DATA LINK
CONTROLS- TAIL
AUTOPILOT- PITCH AND YAW RATE, ROLL POSITION
PROPULSION- None
WARHEAD- SUU-54/BLU-63 (CBU-75)
FUZE- FMU-123/B

PICTORIAL



EMPLOYMENT OPTIONS

DISPENSER
SUU-54

SUBMUNITIONS

{BLU-63/B (1478)}
{BLU-66/B (370)} CBU-75
BLU-97/B (415)
BLU-91/B (178)
BLU-92/B (178)
BKEP (35)

PROGRAM MANAGEMENT

CONTRACTOR-HUGHES/ROCKWELL
UNIT COST-TBD
STATUS-PRODUCTION DECISION?
NEXT EVENT-
REFERENCE-MR. PRESCOTT 872-4261

TARGETS HARD FIXED

MEDIUM RANGE

NOMENCLATURE CBU-20(V) 2/B NAME:

WEAPON CHARACTERISTICS

WEIGHT-2700-3025 Lbs

LENGTH-154.5 In.

DIAMETER-32 In.

GUIDANCE-IR/Beacon/Data link

CONTROLS-Tail

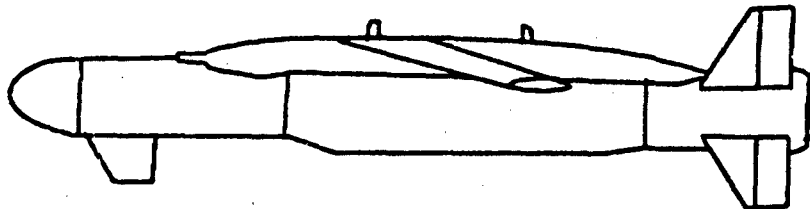
AUTOPILOT- Pitch & Yaw rate, Roll position

PROPULSION-None

WARHEAD- BLU-63

FUZE-FMU-124A/B

PICTORIAL



EMPLOYMENT OPTIONS

AIRCRAFT
B-52

LAUNCHER
MAU-12 on heavy stores adapter

ENGAGEMENT SYSTEM
TV & Radar display
Joy stick & Data link

DISPENSER
SUU-54

PROGRAM MANAGEMENT
CONTRACTOR- HUGHES/ROCKWELL
UNIT COST-
STATUS- VALIDATION COMPLETE
NEXT EVENT- TERMINATED
REFERENCE- MR. PRESCOTT AV 872-4261

TARGETS HARD FIXED TARGETS

SHORT RANGE

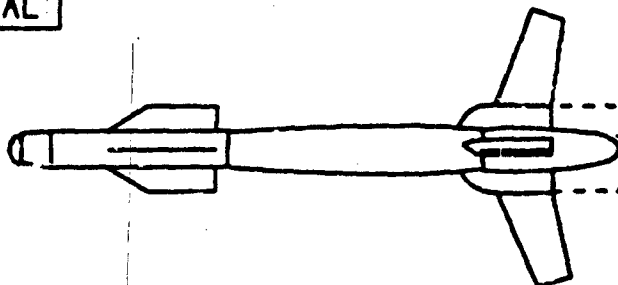
NOMENCLATURE GBU-22

NAME LLLGB MK-82

WEAPON CHARACTERISTICS

WEIGHT-860 Lbs.
LENGTH-132 In.
DIAMETER-10 In.
GUIDANCE-Laser semi-active
CONTROLS-Nose canards
AUTOPILOT-Proportional guidance
PROPULSION-None
WARHEAD-MK-82
FUZE-Contact

PICTORIAL



EMPLOYMENT OPTIONS

AIRCRAFT

F-4 (4)
F-111 (8)
A-10
A-7 (4)
F-16 (4)

LAUNCHER

MAU-12
BRU-3
TER
MER

ENGAGEMENT SYSTEMS

Laser designator

LIMITATIONS

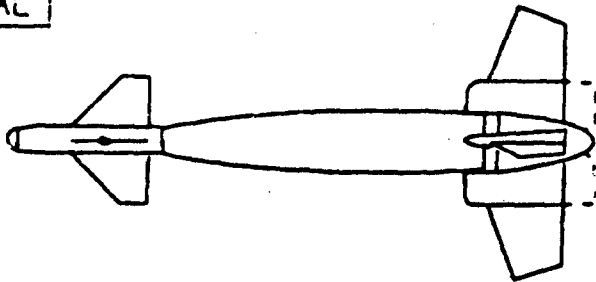
300 KTAS TO 1.4M

PROGRAM MANAGEMENT

CONTRACTOR-TEXAS INST.
UNIT COST-\$14,502 FY83
STATUS-PRODUCTION
NEXT EVENT-
REFERENCE-MR. FUNK 072-2533

TARGETS HARD FIXED TARGETS

SHORT RANGE

NOMENCLATURE CBU-24		NAME LLLGB MK-84
WEAPON CHARACTERISTICS WEIGHT-2267 Lbs LENGTH-189 In DIAMETER-18 In GUIDANCE-Laser semi-active CONTROLS-Nose canards AUTOPILOT-Proportional guidance PROPULSION-None WARHEAD-MK-84 FUZE-FMU-81/112		
PICTORIAL 		
EMPLOYMENT OPTIONS		
AIRCRAFT F-4 (2) F-111 (4) A-7 (2) F-16 (2)		LAUNCHER MAU-12 BRU-3 TER MER
ENGAGEMENT SYSTEMS Laser designator		
LIMITATIONS 300 KTAS TO 1 4M launch		
PROGRAM MANAGEMENT CONTRACTOR-TEXAS INST. UNIT COST-\$14,935 FY83 STATUS- PRODUCTION NEXT EVENT- REFERENCE-MR FUNK 872-2533		

TARGETS HARD FIXED

MEDIUM RANGE

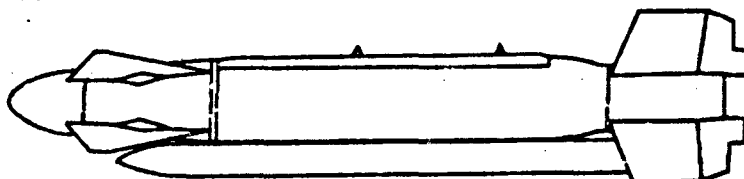
NOMENCLATURE

NAME HTW

WEAPON CHARACTERISTICS

WEIGHT- 2000 - 3000 LBS
LENGTH- 155 IN
DIAMETER- 18 IN
GUIDANCE- INERTIAL/INERTIAL UPDATED/CORRELATION
CONTROLS- TAIL
AUTOPILOT- TBD
PROPULSION- BOOST
WARHEAD- PENETRATOR (BTM, 2000 LBS , ETC.)
FUZE- VOID SENSING OR TIME DELAY OR IMPACT ETC

PICTORIAL



ONE OF MANY POSSIBLE CONFIGURATIONS

EMPLOYMENT OPTIONS

AIRCRAFT

B-52 (4)
F-4 (2)
F-111 (4)
A-7 (2)
F-16 (2)

ENGAGEMENT SYSTEMS

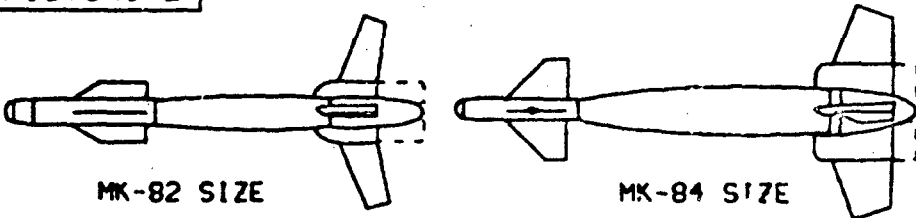
CPS
PLSS
INERTIAL

PROGRAM MANAGEMENT

CONTRACTOR- BOM STUDY PHASE
UNIT COST-
STATUS- CONCEPT STUDIES
NEXT EVENT- CONCEPT DEFINITION 1988
REFERENCE- MR TODD AV 872-4151

TARGETS HARD FIXED TARGETS

SHORT RANGE

NOMENCLATURE		NAME LLCB
WEAPON CHARACTERISTICS		LAUNCH & LEAVE GUIDED BOMB
WEIGHT- 730 OR 2200 LBS LENGTH- 132 OR 169 IN DIAMETER- 10 OR 18 IN GUIDANCE- IMAGING INFRARED (LWIR) CONTROLS- CANARD AUTOPILOT- ANGLE RATE PROPULSION- None WARHEAD- MK-82 OR MK-84 FUZE- FMU-81, FMU-112, MK905		
PICTORIAL		
 SUU-64 VERSIONS ALSO CONSIDERED		
EMPLOYMENT OPTIONS		
AIRCRAFT F-4 (2-4) F-111 (4-8) A-7 (2-4) F-16 (2-4)		LIMITATIONS 300 KTAS TO 1.4 MACH
ENGAGEMENT SYSTEMS BOMBING COMPUTER		
LAUNCHER MAU-12 BRU-3 TER/MER		
PROGRAM MANAGEMENT CONTRACTOR- TEXAS INSTRUMENTS (SEEKER DEV (RHVTA) UNIT COST-> \$20,000 STATUS-ADVANCED DEVELOPMENT NEXT EVENT-FSD 1986 REFERENCE- MAJ MARTINDALEAV 872-4838		

UNGUIDED WEAPONS

vii

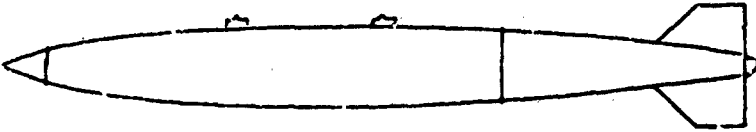
TARGETS HARD AREA TARGETS

SHORT RANGE

NOMENCLATURE MK 20		NAME ROCKEYE II
WEAPON CHARACTERISTICS WEIGHT-500 LBS LENGTH-92 INCH DIAMETER-13 2 INCH GUIDANCE-UNGUIDED CONTROLS-NONE AUTOPILOT-NONE PROPULSION-NONE WARHEAD-217 MK-118 SHAPED CHARGE SUBMUNITIONS FUZE-CONTACT MK 1 MOD 0 FOR SUBMUNITION MK 339 MOD 0 TIME FUZE FOR DISPENSER		
PICTORIAL   MK 118 MOD 0 BOMBS MK 7 MOD 2 DISPENSER		
EMPLOYMENT OPTIONS		
AIRCRAFT F-4 (4-8) F-15 (8) F-16 (4) A-7 (6) A-10 (6) F-111 (8)	LIMITATIONS MAX CARRAGE MACH 1 3/700 KCAS DELIVERY 225-500 KCAS MIN ALT REL 500 FT AGL OR 400 FT AGL WITH 4G ESCAPE	
LAUNCHER PYLON MOUNTED		
DISPENSER MK 7		
PROGRAM MANAGEMENT CONTRACTOR- UNIT COST- \$3820 STATUS-INVENTORY NEXT EVENT- REFERENCE- JMEM 8-78		

TARGETS FIXED

SHORT RANGE

NOMENCLATURE MK-82		NAME GP BOMB
WEAPON CHARACTERISTICS WEIGHT- 531 LBS LENGTH- 90 IN DIAMETER- 10 8 IN GUIDANCE- None CONTROLS- None AUTOPILOT- None PROPULSION- None WARHEAD- Blast frag 502 Lbs FUZE Mechanical or electrical (FMU-130)		
PICTORIAL 		
EMPLOYMENT OPTIONS		
AIRCRAFT F-4 (4-6) F-16 (4) A-10 (6) F-111 (12) A-7 (8) F-15 (4-8)		LIMITATIONS MAX VEL 600KIAS
ENGAGEMENT SYSTEMS BOMBING COMPUTER		
LAUNCHER MS3314 LUGS		
PROGRAM MANAGEMENT CONTRACTOR- UNIT COST- \$797 STATUS- INVENTORY NEXT EVENT- REFERENCE- JMEM 1-10		

TARGETS HARD FIXED

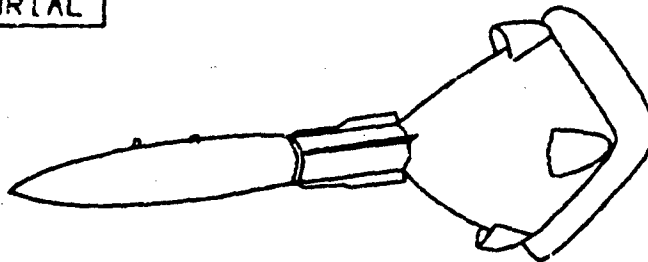
SHORT RANGE

NOMENCLATURE MK-82 (BSU-49) NAME GP BOMB

WEAPON CHARACTERISTICS

WEIGHT-540 LBS.
LENGTH-90 IN
DIAMETER-10 6 IN
GUIDANCE-None
CONTROLS-None
AUTOPILOT-None
PROPULSION-None
WARHEAD- 502 LBS Blast Frog
FUZE- Contact FMU-112

PICTORIAL



EMPLOYMENT OPTIONS

AIRCRAFT

A-10 (6)
A-7 (6)
F-4 (4)
F-16 (4)
F-111 (12)
F-15 (8)

LIMITATIONS

MAX VEL 700 KIAS

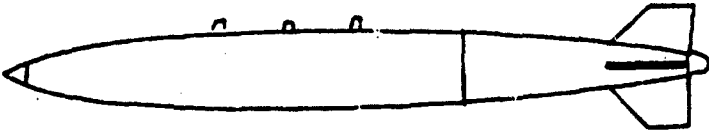
ENGAGEMENT SYSTEMS
BOMBING COMPUTER

PROGRAM MANAGEMENT

CONTRACTOR-
UNIT COST- \$2105
STATUS- INVENTORY
NEXT EVENT-
REFERENCE- JMEM 1-14C

TARGETS HARD FIXED

SHORT RANGE

NOMENCLATURE MK-84		NAME GP BOMB	
WEAPON CHARACTERISTICS			
WEIGHT-1972 Lbs LENGTH-154 IN DIAMETER-18 In GUIDANCE-None CONTROLS-None AUTOPILOT-None PROPULSION-None WARHEAD- Blast Fragmentation FUZE- Contact FMU-130			
PICTORIAL			
			
EMPLOYMENT OPTIONS			
AIRCRAFT		LIMITATIONS	
A-7 (2)		600 KIAS	
F-4 (2)			
F-16 (2)			
F-111 (4)			
F-15 (3)			
ENGAGEMENT SYSTEMS			
Bombing computer			
LAUNCHER			
MK 3 MOD 0 LUGS			
PROGRAM MANAGEMENT			
CONTRACTOR-			
UNIT COST- \$2400			
STATUS-INVENTORY			
NEXT EVENT-			
REFERENCE-JMEM 1-24			

TARGETS HARD FIXED

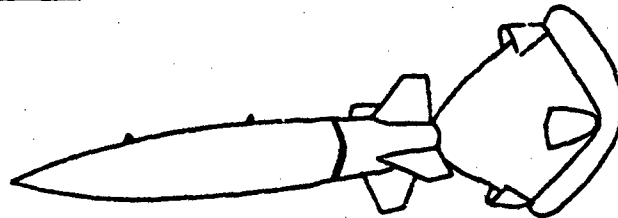
SHORT RANGE

NOMENCLATURE MK-84 (BSU-50) NAME GP BOMB

WEAPON CHARACTERISTICS

WEIGHT- 2016 LBS
LENGTH- 15 IN
DIAMETER- 10 IN
GUIDANCE- None
CONTROLS- None
AUTOPILOT- None
PROPULSION- None
WARHEAD- Blast Frag
FUZE- Contact FMU-112

PICTORIAL



EMPLOYMENT OPTIONS

AIRCRAFT

A-7 (2)
F-4 (2)
F-16 (2)
F-111 (4)
F-15 (3)

LIMITATIONS

MAX VEL 700 KIAS

ENGAGEMENT SYSTEMS
BOMBING COMPUTER

PROGRAM MANAGEMENT

CONTRACTOR-
UNIT COST- \$3003
STATUS- PRODUCTION
NEXT EVENT-
REFERENCE- JMEM 1-28A

TARGETS: SOFT AND HARD FIXED

SHORT RANGE

NOMENCLATURE

NAME IMPROVED 2000

WEAPON CHARACTERISTICS

(IMPROVED MK-84)

WEIGHT-1928 LBS.

LENGTH-100 IN

DIAMETER- 14.5 IN.

GUIDANCE-

CONTROLS-

AUTOPILOT-

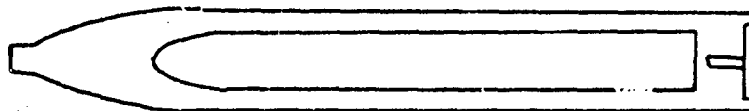
PROPULSION-

WARHEAD-

INTEGRATED INTO GBU-15 AND GBU-24

FUZE-FMU-112, FMU-139, FMU-124, MOD FUZE

PICTORIAL



EMPLOYMENT OPTIONS

AIRCRAFT

A-7 (2)

F-16 (2)

F-111 (4)

F-4 (2)

LAUNCHER

MAU-12

MER/TER

ENGAGEMENT SYSTEMS

SAME AS GBU-15 OR LLLGB

LIMITATIONS

323 KTAS TO 1.4 M LAUNCH

PROGRAM MANAGEMENT

CONTRACTOR-

UNIT COST-88-10K

STATUS- ADV DEV

NEXT EVENT-FSD

REFERENCE- DR. CALUDA AV0725375

TARGETS HARD FIXED

SHORT RANGE

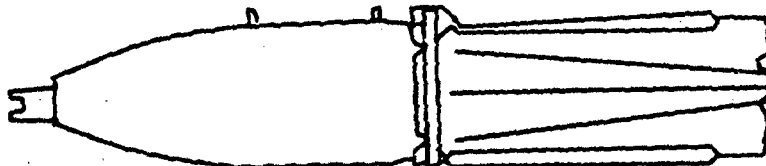
NOMENCLATURE M117 RETARD

NAME GP BOMB

WEAPON CHARACTERISTICS

WEIGHT- 954 LBS.
LENGTH- 82 IN.
DIAMETER- 18 1 IN.
GUIDANCE- None
CONTROLS- None
AUTOPILOT- None
PROPULSION- None
WARHEAD- BLAST FRAGMENTATION 754 LBS. HE
FUZE- CONTACT

PICTORIAL



EMPLOYMENT OPTIONS

AIRCRAFT

F-4 (4)
F-16 (4)
F-15 (4)
A-7 (4)
F-111 (8)

LIMITATIONS

600 KAIS

ENGAGEMENT SYSTEMS
BOMBING COMPUTER

LAUNCHER

MS 3314 LUGS

PROGRAM MANAGEMENT

CONTRACTOR- OGDEN AIR LOGISTICS CENTER

UNIT COST-

STATUS- INVENTORY

NEXT EVENT-

REFERENCE- JMEM 1-22

TARGETS: HARD FIXED

SHORT RANGE

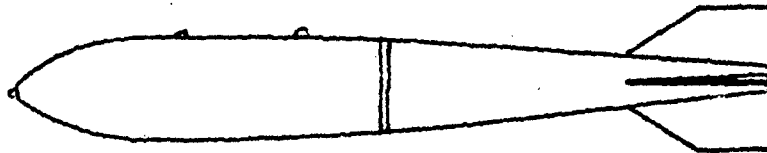
NOMENCLATURE: M118

NAME: DEMOLITION BOMB

WEAPON CHARACTERISTICS

WEIGHT- 3320 LBS
LENGTH- 183 IN
DIAMETER- 24 1 IN
GUIDANCE- None
CONTROLS- None
AUTOPILOT- None
PROPULSION- None
WARHEAD- BLAST 188 LBS HE
FUZE- CONTACT

PICTORIAL



EMPLOYMENT OPTIONS

AIRCRAFT

F-4 (2)
F-111 (4)

LIMITATIONS

600 KIAS

ENGAGEMENT SYSTEMS
BOMBING COMPUTER

LAUNCHER

MK 3 MOD 0 LUGS

PROGRAM MANAGEMENT

CONTRACTOR- AFLC OGDEN AIR LOGISTICS CTR
UNIT COST-
STATUS- INVENTORY
NEXT EVENT-
REFERENCE- JMEM 1-34

TARGETS PERSONNAL/MATERIAL

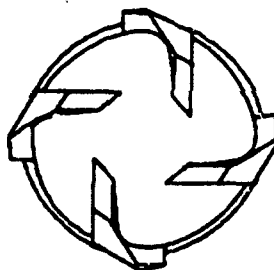
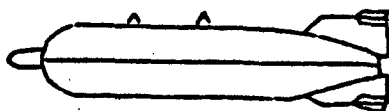
SHORT RANGE

NOMENCLATURE CBU-52 /BLU-61 NAME

WEAPON CHARACTERISTICS

WEIGHT- 789 LBS
 LENGTH- 93 IN
 DIAMETER- 16 IN
 GUIDANCE-None
 CONTROLS-None
 AUTOPILOT-None
 PROPULSION-None
 WARHEAD- 220 BLU-61A/B BOMBLETS
 FUZE- M339 Dispenser, M219 Bomblet

PICTORIAL



EMPLOYMENT OPTIONS

AIRCRAFT

A-7 (8)
 F-4 (4-8)
 F-16 (4)
 F-111 (8)
 F-15 (8)

LIMITATIONS

MAX VEL 625 KIAS

DISPENSER

SUU-308/B

SUBMUNITION

220 BLU-61A/B

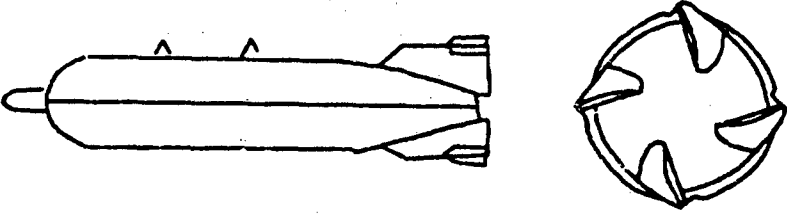
ENGAGEMENT SYSTEMS
 BOMBING COMPUTER

PROGRAM MANAGEMENT

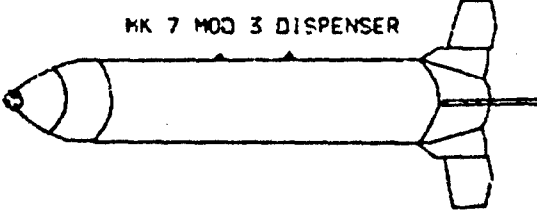
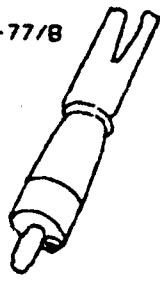
CONTRACTOR-USA
 UNIT COST-\$1890
 STATUS- INVENTORY
 NEXT EVENT-
 REFERENCE-JMEM 8-44

TARGETS LIGHT MATERIAL

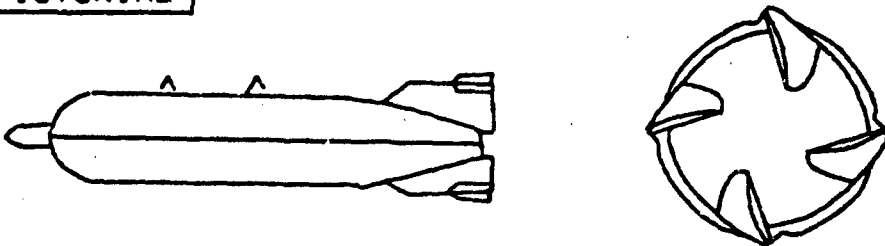
SHORT RANGE

NOMENCLATURE CBU-58		NAME
WEAPON CHARACTERISTICS		
WEIGHT- 800 LBS LENGTH- 93 IN DIAMETER- 16 IN GUIDANCE- None CONTROLS- None AUTOPILOT- None PROPULSION- None WARHEAD- 650 BLU-63 Bomblets FUZE- M339 Dispenser, M219 Bomblet		
PICTORIAL		
		
EMPLOYMENT OPTIONS		
AIRCRAFT A-7 (8) F-4 (4-8) F-16 (4) F-111 (8) F-15 (8)		LIMITATIONS MAX VEL. 625 KIAS
ENGAGEMENT SYSTEMS BOMBING COMPUTER		DISPENSER SUU-30H/B
LAUNCHER 14 INCH BOMB RACKS PROGRAM MANAGEMENT CONTRACTOR- USA UNIT COST- \$3124 STATUS- INVENTORY NEXT EVENT- REFERENCE- JMEM 6-88		SUBMUNITION 650 BLU-63/B

TARGETS HARD AREA TARGETS

NOMENCLATURE CBU-59/B		NAME APAM
WEAPON CHARACTERISTICS		
WEIGHT- 750 LBS LENGTH- 92 INCH DIAMETER- 13 2 INCH GUIDANCE- UNGUIDED CONTROLS- NONE AUTOPILOT- NONE PROPULSION- NONE WARHEAD- 717 BLU-77/B SHAPED CHARGE FUZE- CONTACT MK 1 MOD 0 FOR SUBMUNITION MK 339 MOD 0 TIME FUZE FOR DISPENSER		
PICTORIAL		
MK 7 MOD 3 DISPENSER 		BLU-77/B 
EMPLOYMENT OPTIONS		
AIRCRAFT F-4 (4-8) F-15 (8) F-16 (4) A-7 (8) A-10 (6) F-111 (8)		LIMITATIONS MAX CARRAGE MACH 1.3/700 KCAS DELIVERY 225-500 KCAS MIN ALT REL 500 FT AGL OR 400 FT. AGL WITH 4G ESCAPE
LAUNCHER PYLON MOUNTED		
DISPENSER MK 7		
PROGRAM MANAGEMENT CONTRACTOR- USA UNIT COST- STATUS- INVENTORY NEXT EVENT- REFERENCE- JMEM 8-83		SUBMUNITION BLU-77/B (717)

TARGETS:

NOMENCLATURE CBU-71/B		NAME
WEAPON CHARACTERISTICS		
WEIGHT- 789 LBS LENGTH- 93 IN DIAMETER- 16 IN GUIDANCE- None CONTROLS- None AUTOPILOT- None PROPULSION- None WARHEAD- 650 BLU-86 TIME DELAY BOMBLETS FUZE- M330 Dispenser, M219 Bomblet		
PICTORIAL		
		
EMPLOYMENT OPTIONS		
AIRCRAFT A-7 (8) F-4 (4-8) F-16 (4) F-111 (8) F-15 (8)		LIMITATIONS MAX VEL 625 KIAS
		DISPENSER SUU-30H/B
ENGAGEMENT SYSTEMS BOMBING COMPUTER LAUNCHER 14 INCH BOMB RACKS PROGRAM MANAGEMENT CONTRACTOR- USA UNIT COST- \$3824 STATUS- NEXT EVENT- REFERENCE- JMEM 8-71		SUBMUNITION 650 BLU-86/B

TARGETS AREA TARGETS

SHORT RANGE

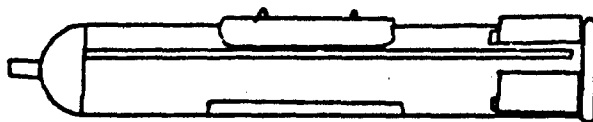
NOMENCLATURE CBU-72/B

NAME FUEL AIR EXPLOSIVE

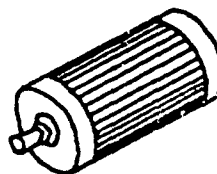
WEAPON CHARACTERISTICS

WEIGHT- 500 LBS.
LENGTH- 85.6 IN
DIAMETER- 14 IN
GUIDANCE- None
CONTROLS- None
AUTOPILOT- None
PROPULSION- None
WARHEAD- BLU-73/B (FUEL)
FUZE-MK 338 MOD 0 MECHANICAL

PICTORIAL



SUU-49/B



BLU-73/B

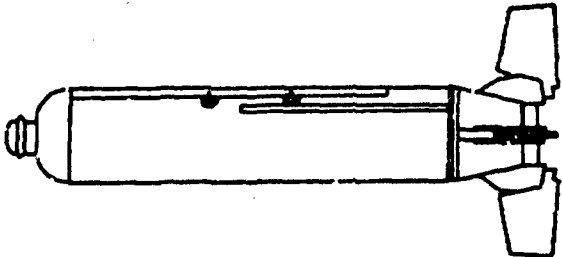
EMPLOYMENT OPTIONS

DISPENSER
SUU-49/B

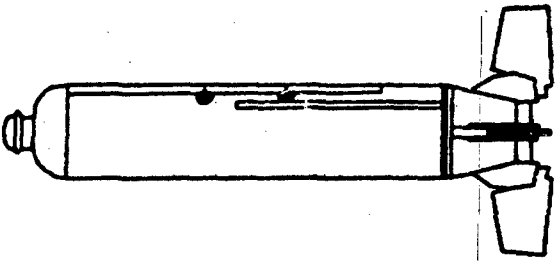
SUBMUNITIONS
BLU-73/B (3)

PROGRAM MANAGEMENT
CONTRACTOR- USA
UNIT COST-
STATUS-
NEXT EVENT-
REFERENCE-JMEM 1-44A

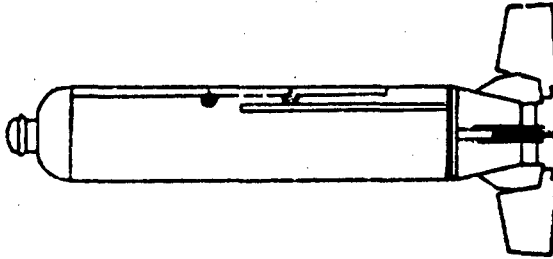
TARGETS

NOMENCLATURE: CBU-87/B		NAME: CEM
WEAPON CHARACTERISTICS		
WEIGHT- 945 lbs. LENGTH- 92 INS DIAMETER-15 8 ins GUIDANCE-N/A CONTROLS-SPIN AUTOPILOT-NONE PROPULSION-NONE WARHEAD-CEB BLU 97/B shaped charge/ fragmentation FUZE- INTEGRAL PART OF DISPENSER & INCENDIARY FZU-39/B PROX SENSOR		
PICTORIAL		
		
EMPLOYMENT OPTIONS		
AIRCRAFT	DISPENSER	
F-4 (6)	SUU-65/A	
F-16 (4)	SUBMUNITIONS	
A-10 (4)	CEB/BLU-97/B (202)	
F-111 (8)	ENGAGEMENT SYSTEMS	
A-7 (4)	None	
LIMITATIONS		
A/C LAUNCH ENV		
LAUNCHER MER/TER		
PROGRAM MANAGEMENT		
CONTRACTOR-AERO JET GENERAL		
UNIT COST-\$13,500		
STATUS-		
NEXT EVENT-		
REFERENCE- SO8M MR. BROWN AV 8723000		

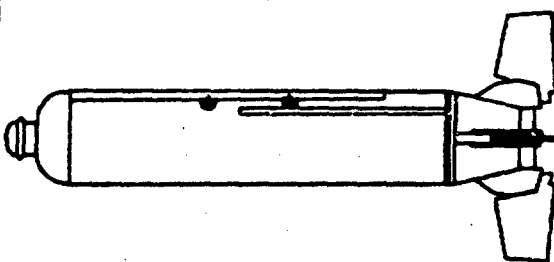
TARGETS

NOMENCLATURE CBU-89/B		NAME GATOR
WEAPON CHARACTERISTICS		
WEIGHT-710 lb LENGTH-92 in DIAMETER-16 in GUIDANCE-None CONTROLS-None AUTOPILOT-none PROPULSION-none WARHEAD- BLU 91/92 FUZE- INTEGRAL PART OF DISPENSER FZU-39/B PROX SENSOR		
PICTORIAL		
		
EMPLOYMENT OPTIONS		
AIRCRAFT F-16 (4) F-111 (8) A-10 (4) F-4 (8)		DISPENSER SUU-64/B
ENGAGEMENT SYSTEMS NONE		SUBMUNITION BLU-91/B (72) ANTI-TANK BLU-92/B (22) ANTI-PERSONNEL
LIMITATIONS DELIVERY ENVELOPE 200ft TO 40,000 ft ALT 200 TO 700 KNOTS A/S		LAUNCHER MER/TER
PROGRAM MANAGEMENT CONTRACTOR-HONEYWELL/AEROJET UNIT COST-\$25,000 STATUS- NEXT EVENT- REFERENCE-VALADE AV8723000		

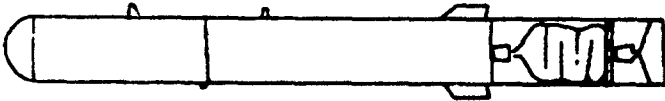
TARGETS HEAVY ARMOR

NOMENCLATURE CBU-90/B		NAME ACM
WEAPON CHARACTERISTICS		
WEIGHT- 945 lbs LENGTH- 92 ins DIAMETER- 15.6 ins GUIDANCE- N/A CONTROLS- Spin Option AUTOPILOT- N/A PROPULSION- N/A {3 horizontal and 1 downward slug WARHEAD- BLU-99 (ACM) {Self forging fragmenting FUZE- Integral part of Dispenser FZU-39/B Prox Sensor		
PICTORIAL		
		
EMPLOYMENT OPTIONS		
AIRCRAFT		SUBMUNITION
F-4 (6)		BLU-99 (48)
F-16 (4)		
F-111 (8)		DISPENSER
A-10 (4)		SUU-65/B
A-7 (4)		
ENGAGEMENT SYSTEMS		
COCKPIT ARMING		
LAUNCHER		
MER/TER		
PROGRAM MANAGEMENT		
CONTRACTOR- HONEYWELL		
UNIT COST- \$27,000 FY82*		
STATUS- TERMINATED AFTER FSD		
NEXT EVENT-		
REFERENCE-		

TARGETS:

NOMENCLATURE: CBU-92/B		NAME	ERAM
WEAPON CHARACTERISTICS			
WEIGHT- 960 lb LENGTH- 92 in DIAMETER-15 6 in GUIDANCE-N/A CONTROLS-SPIN CONTROL AUTOPILOT-N/A PROPULSION-N/A WARHEAD-SELF FORCING FRAG BLU-101/B FUZE- FZU-39/B Proximity sensor			
PICTORIAL			
			
EMPLOYMENT OPTIONS			
AIRCRAFT		SUBMUNITIONS	
F-4 (8)		BLU-101B AVCO (9)	
F-16 (4)			
F-111 (8)			
A-10 (4)		DISPENSER	
ENGAGEMENT SYSTEM		SUU-65/B	
ARMING			
LAUNCHER			
MER/TER			
LIMITATIONS A/C LAUNCH ENV			
PROGRAM MANAGEMENT			
CONTRACTOR- AVCO			
UNIT COST- \$37,500			
STATUS- VALIDATION COMPLETE			
NEXT EVENT- FSD 85			
REFERENCE- MR HILL AV 8725780			

TARGETS AIRFIELDS

NOMENCLATURE		NAME DURANDAL
WEAPON CHARACTERISTICS		
WEIGHT- 430 LBS. LENGTH- 96 IN DIAMETER- 9 IN GUIDANCE- None CONTROLS- Parachute resist AUTOPILOT- None PROPULSION- Boost only WARHEAD- Blast FUZE- Contact delay		
PICTORIAL		
		
EMPLOYMENT OPTIONS		
AIRCRAFT F-4 (4-8) F-16 (4) F-111 (12) F-15 (8)		LIMITATIONS 500 KTAS ON F-111 630 KTAS ON F-4
ENGAGEMENT SYSTEMS BOMBING COMPUTER		
LAUNCHER 14 INCH RACKS		
PROGRAM MANAGEMENT CONTRACTOR- FRANCE UNIT COST- \$25,000 STATUS- NEXT EVENT- REFERENCE- LT COL PEARCE AV 8728557		

TARGETS: LIGHT ARMOR

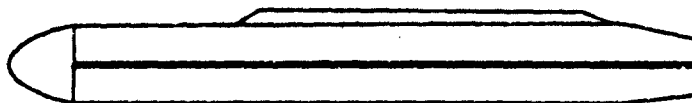
NOMENCLATURE GPU-5A

NAME 30 MM GUN POD

WEAPON CHARACTERISTICS

WEIGHT- 2000 lbs
LENGTH- 14 ft
DIAMETER- 25.12 ins
GUIDANCE- NA
CONTROLS- NA
AUTOPILOT- NA
PROPULSION- NA
WARHEAD- 30 mm ammo
FUZE- NA

PICTORIAL



EMPLOYMENT OPTIONS

AIRCRAFT

F-4 (2)
A-7 (2)
F-16 (2)

ENGAGEMENT SYSTEM

A/C radar

LIMITATIONS

No maneuvering restrictions

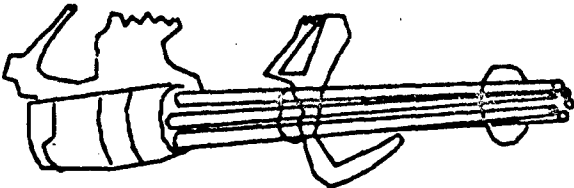
LAUNCHER

PYLON MOUNTED

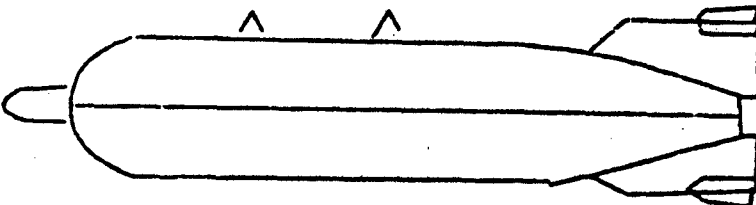
PROGRAM MANAGEMENT

CONTRACTOR- GENERAL ELECTRIC
UNIT COST- \$311,500
STATUS- PRODUCTION
NEXT EVENT-
REFERENCE- MAJ. FRANCIS AV8728186

TARGETS TANK VEHICLES

NOMENCLATURE	NAME STABLIZED GAU-8
WEAPON CHARACTERISTICS	
WEIGHT-Increase GAU-8 by 300 Lbs LENGTH-N/A DIAMETER-30 mm. GUIDANCE-Lantern pod used for LOS CONTROLS-Hydraulic actuators AUTOPILOT-N/A PROPULSION-N/A WARHEAD-Discarding SABOT Improved API FUZE- N/A	
PICTORIAL	
	
EMPLOYMENT OPTIONS	
AIRCRAFT A-10 (1)	
ENGAGEMENT SYSTEM LANTIRN POD INS	
LIMITATIONS A-10 ENVELOPE	
PROGRAM MANAGEMENT CONTRACTOR- FRAICHILD UNIT COST- STATUS- TERMINATED 82 NEXT EVENT- REFERENCE-	

TARGETS AREA TARGETS

NOMENCLATURE SUU-30A/B		NAME DISPENSER
WEAPON CHARACTERISTICS		
WEIGHT- 195 LBS EMPTY 830 LBS LOADED WITH BLU-28/B LENGTH- 93 IN DIAMETER- 16 IN GUIDANCE- None CONTROLS- None AUTOPILOT- None PROPULSION- None WARHEAD- SEE SUBMUNITIONS FUZE-		
PICTORIAL		
		
EMPLOYMENT OPTIONS		
SUBMUNITIONS		SYSTEM
BLU-28/B	(650-670)	CBU-24
BLU-61/B	(220)	CBU-52
BLU-63/B	(650)	CBU-58
BLU-85/B	(70)	CBU-70
PROGRAM MANAGEMENT		
CONTRACTOR- USA		
UNIT COST-		
STATUS- INVENTORY		
NEXT EVENT-		
REFERENCE- JMEM 6-31		

TARGETS. ARMOR, AREA

SHORT RANGE

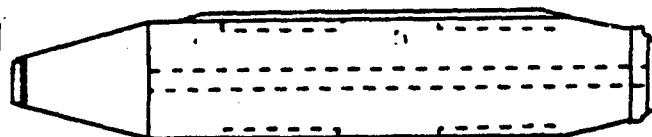
NOMENCLATURE SUU-54

NAME.

WEAPON CHARACTERISTICS

WEIGHT- 2140 LBS LOADED
 LENGTH- 137 IN
 DIAMETER- 20 IN
 GUIDANCE- None
 CONTROLS- None
 AUTOPILOT- None
 PROPULSION- None
 WARHEAD- SEE SUBMUNITIONS
 FUZE- FMU-110/B

PICTORIAL



EMPLOYMENT OPTIONS

AIRCRAFT

C-111 (4)
 F-4 (2)
 F-16 (2)
 A-7 (2)

SUBMUNITIONS

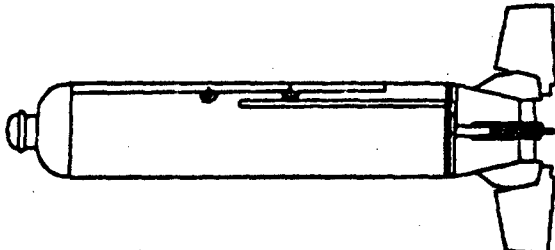
BLU-83/B	(1440)	}	{	CBU-75/B
BLU-86/B	(300)			CBU-15(V) 3/B
BLU-61A/B	(650)			CBU-70/B
BLU-87/B	(90)			CBU-80/B
BLU-100	(35)	}	{	CBU-15(V) 3/B
BLU-91/92	(170)			
BLU-97/B	(15)			

PROGRAM MANAGEMENT

CONTRACTOR-
 UNIT COST-
 STATUS-INVENTORY
 NEXT EVENT-
 REFERENCE-MR. PRESCOTT AV 872-4021

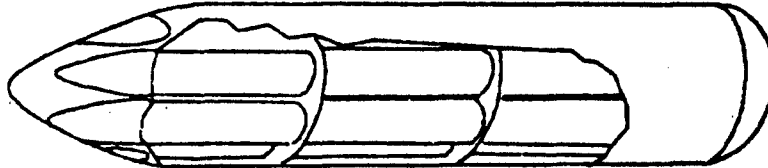
TARGETS ARMOR, AREA

SHORT RANGE

NOMENCLATURE SUU-65/B		NAME TMD
WEAPON CHARACTERISTICS		
WEIGHT- 950 Lbs max (215 Lbs empty) LENGTH- 92 in DIAMETER- 18 in GUIDANCE- None CONTROLS- Spin AUTOPILOT- None PROPULSION- None WARHEAD- see submunitions FUZE- Integral fuze HOB 300 FT. TO 3000 FT. SETTABLE FZU-39/b Prox sensor		
PICTORIAL		
		
EMPLOYMENT OPTIONS		
AIRCRAFT		SUBMUNITIONS
F-4 (6)		BLU-99/B (48)
F-16 (4)		BLU-101/B (9)
F-111 (8)		BLU-102/B (12)
A-10 (4)		BLU-97/B (202)
A-7 (4)		{BLU-91/B} (72) AT
B-52D (180)		{BLU-92/B} (22) AP
		SKEET (64)
ENGAGEMENT SYSTEMS		
None		
LAUNCHER		
MER/TER & MSER		
PROGRAM MANAGEMENT		
CONTRACTOR- HONEYWELL		
UNIT COST- \$3474		
STATUS- PRODUCTION		
NEXT EVENT-		
REFERENCE- MR. VALADE AV 872-3000		

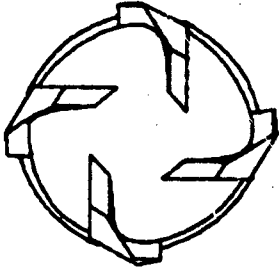
TARGETS ARMOR

SHORT RANGE

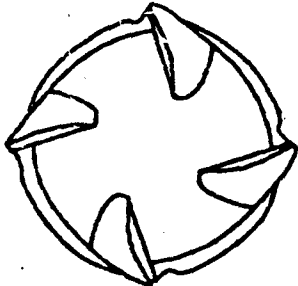
NOMENCLATURE	NAME WASP POD
WEAPON CHARACTERISTICS WEIGHT- 1813 LBS LENGTH- 210 IN DIAMETER-22 X 24 IN GUIDANCE-N/A CONTROLS-N/A AUTOPILOT-N/A PROPULSION-N/A WARHEAD-WASP Submunitions FUZE-N/A	
PICTORIAL 	
EMPLOYMENT OPTIONS SUBMUNITIONS WASP (8) AIRCRAFT F-16 (2) F-111 (4) A-10 (2) PODS F-4 (2) A-7 (2) NATO ENGAGEMENT SYSTEMS PAVE MOVER INERTIAL SYSTEM PROGRAM MANAGEMENT CONTRACTOR-HUGHES UNIT COST-\$270,200 POD LOADED WITH 8 MISSILES STATUS-COMPLETED VALIDATION NEXT EVENT- NEW MMV TECH 87 START REFERENCE- LT COL BUCHNER AV 872-5808	

SUBMUNITIONS

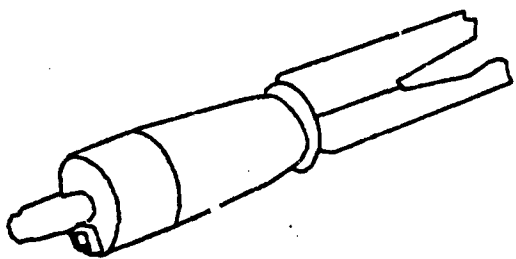
TARGETS VEHICLES, PERSONNEL

NOMENCLATURE BLU-61A/B	NAME BOMBLET
WEAPON CHARACTERISTICS WEIGHT-2.7 LBS LENGTH-SPHERICAL DIAMETER-3.5 IN GUIDANCE-None CONTROLS-None AUTOPILOT-None PROPULSION-None WARHEAD-.65 H.E FUZE-M219 IMPACT	
PICTORIAL 	
EMPLOYMENT OPTIONS DISPENSER SUU-30 (220)	
PROGRAM MANAGEMENT CONTRACTOR- UNIT COST-<\$8.00 STATUS-INVENTORY NEXT EVENT- REFERENCE-JMEM 6-44	

TARGETS LIGHT MATERIAL

NOMENCLATURE: BLU-63/B		NAME
WEAPON CHARACTERISTICS WEIGHT- 931 LBS LENGTH- SPHERICAL DIAMETER- 2 9 IN GUIDANCE- None CONTROLS- None AUTOPILOT- None PROPULSION- None WARHEAD- 25 LBS HE FUZE- M219 CONTACT		
PICTORIAL 		
EMPLOYMENT OPTIONS DISPENSER SUU-30H/B (650)		
PROGRAM MANAGEMENT CONTRACTOR- USA UNIT COST- < \$5 00 STATUS- INVENTORY NEXT EVENT- REFERENCE- JMEM 6-68		

TARGETS LIGHT MATERIAL, PERSONNEL

NOMENCLATURE BLU-77/B		NAME APAM
WEAPON CHARACTERISTICS WEIGHT- 0.82 LBS LENGTH- 8.8 IN. DIAMETER- 1.58 IN. GUIDANCE- None CONTROLS- None AUTOPILOT- None PROPULSION- None WARHEAD- 0.12 LBS HE SHAPED CHARGE FUZE- HARD TARGET CONTACT AND SOFT TARGET TIMED DELAY		
PICTORIAL 		
EMPLOYMENT OPTIONS DISPENSER MK 7 MOD 3 (717) (CBU-50/B)		
PROGRAM MANAGEMENT CONTRACTOR- UNIT COST- STATUS-INVENTORY NEXT EVENT- REFERENCE- JMEM 6-84		

TARGETS PERSONNEL/ARMOR/AIRFIELDS

MEDIUM RANGE

NOMENCLATURE BLU-80/B

NAME BIGEYE

WEAPON CHARACTERISTICS

WEIGHT-2650 LBS

LENGTH-154 IN

DIAMETER- 20 IN

GUIDANCE- IIR/TV/DATA LINK

CONTROLS- TAIL

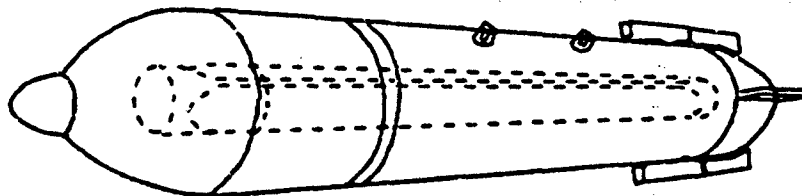
AUTOPILOT- PITCH AND YAW RATE, ROLL POSITION

PROPULSION- None

WARHEAD- SUU-54/BLU-63 (CBU-75)

FUZE- FMU-123/B

PICTORIAL



EMPLOYMENT OPTIONS

DISPENSER

SUU-54

SUBMUNITIONS

{BLU-63/B	{1170}	} CBU-75
{BLU-86/B	{370}	
BLU-97/B	{415}	
BLU-91/B	{170}	
BLU-92/B	{170}	
BKEP	{35}	

PROGRAM MANAGEMENT

CONTRACTOR- HUGHES/ROCKWELL

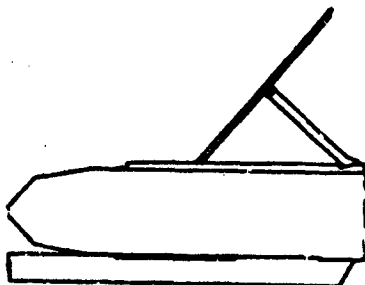
UNIT COST-TBD

STATUS- PRODUCTION DECISION?

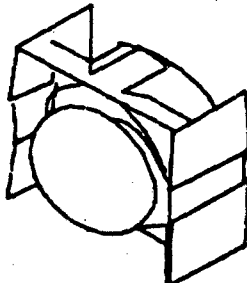
NEXT EVENT-

REFERENCE- MR. PRESCOTT 872-4261

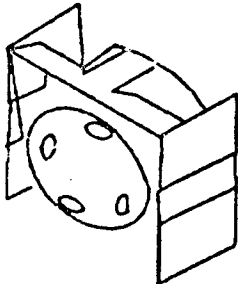
TARGETS VEHICLES, AIRCRAFT

NCMENCLATURE	BLU-81/B	NAME	STAM
WEAPON CHARACTERISTICS			
WEIGHT- 80 Lbs LENGTH- 19 in DIAMETER- 4.75 in GUIDANCE- RF & IR CONTROLS- Single fin AUTOPILOT- Spin stabilized PROPULSION- Boost (ejected) WARHEAD- 25 M-42 SHAPED CHARGE BOMBLETS IN EACH WING FUZE- Seismic			
PICTORIAL			
			
EMPLOYMENT OPTIONS			
DISPENSERS			
TMD (9) SUU-54 (18)			
LIMITATIONS			
Heavy foliage may reduce effectiveness			
AIRCRAFT			
A-10 (2) F-16 (2) F-4 (2)			
PROGRAM MANAGEMENT			
CONTRACTOR- GENERAL DYNAMICS UNIT COST- STATUS- DISCONTINUED NEXT EVENT- REFERENCE- MR BIELE AV 872-8501			

TARGETS ARMOR

NOMENCLATURE	BLU-91/B	NAME	GATOR
WEAPON CHARACTERISTICS			
WEIGHT-4 31 Lbs LENGTH-5 7 x 5 0 x 2 0 In DIAMETER-5 7 x 5 0 x 2 0 In GUIDANCE-None CONTROLS-None AUTOPILOT-None PROPULSION-None WARHEAD- Mass focus FUZE- Magnetic			
PICTORIAL			
			
EMPLOYMENT OPTIONS			
DISPENSER SUU-64/B non-spin TMD (72) WEAPON SYSTEM CBU-80/B			
PROGRAM MANAGEMENT CONTRACTOR-HONEYWELL UNIT COST-\$197 STATUS-PRODUCTION NEXT EVENT- REFERENCE- MR VALADE AV 872-3000			

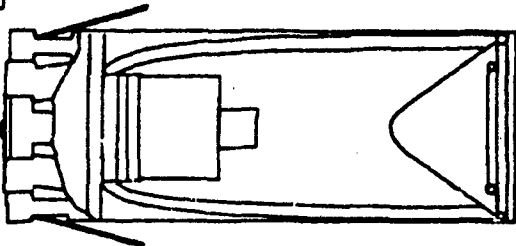
TARGETS PERSONNEL

NOMENCLATURE	BLU-92/B	NAME	GATOR
WEAPON CHARACTERISTICS			
HEIGHT-3 75 Lbs LENGTH-5 7 x 5 0 x 2 6 In. DIAMETER-5 7 x 5 0 x 2 6 In. GUIDANCE-None CONTROLS-None AUTOPILOT-None PROPULSION-None WARHEAD-FRAGMENTATION FUZE-TRIP WIRE			
PICTORIAL			
			
EMPLOYMENT OPTIONS			
DISPENSER SUU-64/B non-spin TMD (22)			
WEAPON SYSTEM CBU-89/B			
PROGRAM MANAGEMENT CONTRACTOR-AEROJET GENERAL UNIT COST-\$339 STATUS-PRODUCTION NEXT EVENT- REFERENCE-MR. VALADE AV 872-3500			

TARGETS PERSONNEL, LIGHT MATERIAL

NOMENCLATURE BLU-95/B, BLU-96/B		NAME FAE II
WEAPON CHARACTERISTICS		
WEIGHT- 515 LBS AND 2000 LBS. LENGTH- 92 IN AND 158 IN DIAMETER- 15 IN AND 23 5 IN GUIDANCE- None CONTROLS- None AUTOPILOT- None PROPULSION- None WARHEAD- 315 LBS AND 1420 LBS PROPYLENE OXIDE FUZE- DSU-23/B TARGET DETECTION DEVICE (30-40 FT PROX) FSU-9/B S&A		
PICTORIAL		
		
EMPLOYMENT OPTIONS		
AIRCRAFT F-4 (4-6) F-16 (4-6) F-111 (6) A-10 (4-6)		
ENGAGEMENT SYSTEMS BOMBING COMPUTER		
LAUNCHER MER/TER		
PROGRAM MANAGEMENT CONTRACTOR- NAVY UNIT COST- STATUS-DISCONTINUED NEXT EVENT- REFERENCE- JNEM 1-44		

TARGETS PERSONNEL , LIGHT ARMOR

NOMENCLATURE	BLU-97/B	NAME	CEB
WEAPON CHARACTERISTICS			
WEIGHT- 3 4lbs LENGTH- 6 6 ins after release 10 2 ins DIAMETER- 2 51 In. GUIDANCE- N/A CONTROLS- Balancing stabilizer AUTOPILOT- PROPULSION-N/A WARHEAD- Shaped charge, fragment with Zr. incendiary FUZE- CONTACT			
PICTORIAL			
			
EMPLOYMENT OPTIONS			
DISPENSER 202 CEB'S CAN BE CARRIED IN THE SUU 65/9 WEAPON SYSTEM CBU-87/B			
PROGRAM MANAGEMENT CONTRACTOR- AEROJET GENERAL UNIT COST- \$30 STATUS- PRODUCTION NEXT EVENT- REFERENCE- MAJ. COOPER AV 872-3000			

TARGETS HEAVY ARMOR

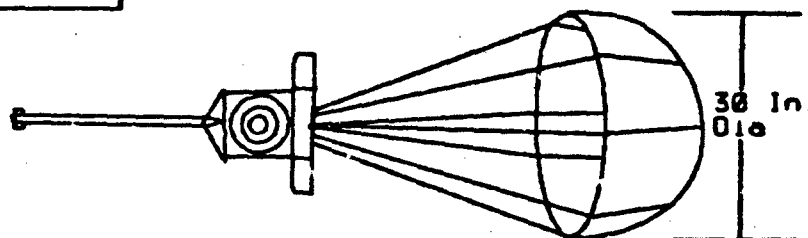
NOMENCLATURE BLU-99/B

NAME ACM

WEAPON CHARACTERISTICS

WEIGHT-14 Lbs
 LENGTH-7.78 In high
 DIAMETER-8.8 In wide wedge shaped
 GUIDANCE-None
 CONTROLS-None
 AUTOPILOT-None
 PROPULSION-None
 WARHEAD-Self forging frag
 FUZE-contact

PICTORIAL



Flat panel cruciform parachute

EMPLOYMENT OPTIONS

DISPENSER

SUU-65/B (48)

WEAPON SYSTEM

CBU-98/B

PROGRAM MANAGEMENT

CONTRACTOR-HONEYWELL

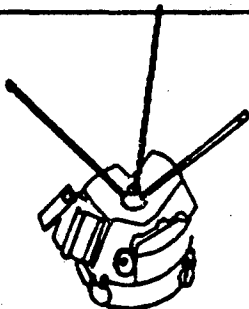
UNIT COST-\$300

STATUS-TERMINATED

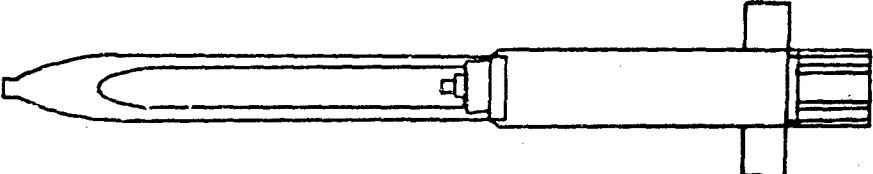
NEXT EVENT-

REFERENCE- AD/YA AV 872-8418

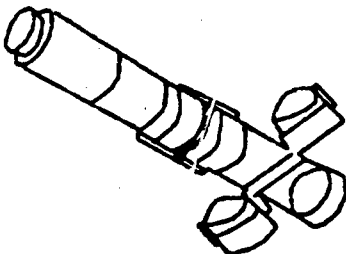
TARGETS: ARMORED VEHICLES

NOMENCLATURE		BLU-101/B	NAME	ERAM
WEAPON CHARACTERISTICS				
WEIGHT- 80 lbs. LENGTH- 8.0 in DIAMETER- 4 in GUIDANCE- N/A CONTROLS- N/A AUTOPILOT- N/A PROPULSION- N/A WARHEAD- 4.7 in SFF FUZE- IR airborne sensor				
PICTORIAL				
				
EMPLOYMENT OPTIONS				
NUMBER S/M PER DISPENSER		9		
NUMBER AT W/H PER S/M		2		
NUMBER OF CFM PER S/M		3		
AIRCRAFT		WEAPON SYSTEM		
F-16 (4) PODS		CBU-92/B		
F-111 (8) PODS				
F-4 (4) PODS				
A-10 (4) PODS				
A-7 (4) PODS				
DISPENSER				
SUU-65/B				
PROGRAM MANAGEMENT				
CONTRACTOR-		AVCO		
UNIT COST-		\$1737 FY82*		
STATUS-		TERMINATED		
NEXT EVENT-				
REFERENCE-		MR. HILL AV872-8364		

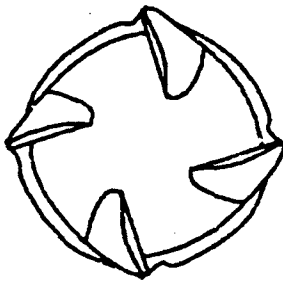
TARGETS AIRFIELDS

NOMENCLATURE: BLU-108		NAME BKEP
WEAPON CHARACTERISTICS WEIGHT- 45 LBS. LENGTH- 43 5 IN DIAMETER- 3 35/4 Ø IN GUIDANCE- None CONTROLS- PARACHUTE RETARDED AUTOPILOT- None PROPULSION- BOOST ONLY WARHEAD- 6 5 LBS H.E FUZE- ELECTRONIC/PYROTECHNIC		
PICTORIAL 		
EMPLOYMENT OPTIONS DISPENSER MRASM JTACMS TMD (8) AXE SAW SU-54 (15)		
PROGRAM MANAGEMENT CONTRACTOR- USA UNIT COST- \$2500 STATUS- NEXT EVENT- REFERENCE- MR. CALUDA AV872-5375		

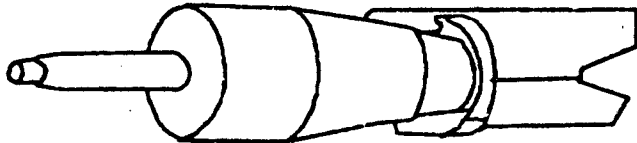
TARGETS ARMOR

NOMENCLATURE BLU-108		NAME . SFW SUBMUNITION
WEAPON CHARACTERISTICS		
WEIGHT- SDVA 55 LBS SKEET 9 LBS LENGTH- SDVA 31 IN SKEET 3 75 IN THICK DIAMETER- SDVA 5 25 IN SKEET 5 0 IN GUIDANCE- SDVA LASER ALT SKEET IR (PbSe) CONTROLS- SPIN STABILIZED AUTOPILOT- None PROPULSION- JET REACTORS WARHEAD- 4 SKEET SFF PER SDVA FUZE- SEEKER FUZE		
PICTORIAL		
		
EMPLOYMENT OPTIONS		
AIRCRAFT		SUBMUNITION
A-10 (4) F-4 (4) F-16 (4) F-111 (8) A-7 (8) F-15 (8)		SDVA (10) PER TMD
		DISPENSER
		TMD
ENGAGEMENT SYSTEMS		
BOMBING COMPUTER		
PROGRAM MANAGEMENT		
CONTRACTOR- AVCO		
UNIT COST- \$5K PER SDVA		
STATUS- PRE FSD		
NEXT EVENT- FSD MAY 84		
REFERENCE- MR STONE AV 872-0448		

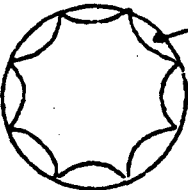
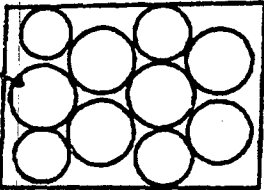
TARGETS LIGHT MATERIAL

NOMENCLATURE - M-74	NAME
WEAPON CHARACTERISTICS WEIGHT- 1 29 LBS. LENGTH- SPHERICAL DIAMETER- 2.2 IN GUIDANCE- None CONTROLS- None AUTOPILOT- None PROPULSION- None WARHEAD- 25 LBS HE TITANIUM FUZE- M219 CONTACT	
PICTORIAL 	
EMPLOYMENT OPTIONS DISPENSER SAW CSW	
PROGRAM MANAGEMENT CONTRACTOR- USA (ARMY) UNIT COST- \$5 00 STATUS- END PRODUCTION 1984 NEXT EVENT- REFERENCE- ARMY	

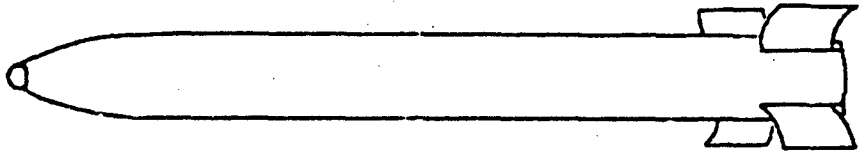
TARGETS: ARMOR

NOMENCLATURE MK 118		NAME ROCKEYE
WEAPON CHARACTERISTICS WEIGHT- 1 32 LBS LENGTH- 2 1 IN DIAMETER- 1 91 IN GUIDANCE- None CONTROLS- None AUTOPILOT- None PROPULSION- None WARHEAD- 0 40 LBS HE COPPER SHAPED CHARGE FUZE- CONTACT PIEZOELECTRIC		
PICTORIAL 		
EMPLOYMENT OPTIONS DISPENSER MK 7 MOD 2 WEAPON SYSTEM MK 20 ROCKEYE PROGRAM MANAGEMENT CONTRACTOR- USA UNIT COST- < \$10.00 STATUS- INVENTORY NEXT EVENT- REFERENCE- JMEM 6-76		

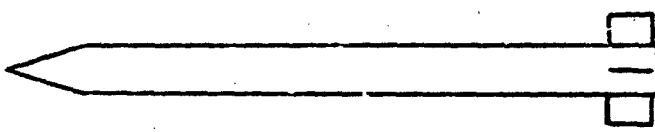
TARGETS LIGHT ARMOR

NOMENCLATURE		NAME AMIS
WEAPON CHARACTERISTICS		
WEIGHT-14- 18 Lbs LENGTH-8 9-10.4 In DIAMETER-4 8-5 4 In GUIDANCE-N/A CONTROLS-N/A AUTOPILOT-N/A PROPULSION-N/A WARHEAD-Self-forging frag Zr or Ti incendiary FUZE- Contact, extended probe		
PICTORIAL		
 END VIEW SELF FORGING FRAGS  SIDE VIEW		
EMPLOYMENT OPTIONS		
DISPENSERS TMD HAMMER MRASM BOSS		
AIRCRAFT A-10 A-7 F-16		
NUMBER DEPENDS ON DISPENSER		
PROGRAM MANAGEMENT		
CONTRACTOR- HONEYWELL/CHAMBERLIN UNIT COST- \$300 FY82 STATUS- TERMINATED NEXT EVENT- REFERENCE- MR. BRIERE AV8722005		

TARGETS BUNKERS

NOMENCLATURE		NAME BTM
WEAPON CHARACTERISTICS WEIGHT-359.13lbs LENGTH-77 in DIAMETER-8 3 in GUIDANCE- UNGUIDED SUBMUNITION CONTROLS- AUTOPILOT-None PROPULSION- WARHEAD-42 8 LBS AFX-708 FUZE-G-level sensor		
PICTORIAL BUNKERED TARGET MUNITION 		
EMPLOYMENT OPTIONS DISPENSERS MRASM ALCM Advanced Cruise Missile HAMMER ENGAGEMENT SYSTEMS Inertial sensors AIRCRAFT B-52 F-111 (4) F-16 (2) DEPENDS ON DISPENSER PROGRAM MANAGEMENT CONTRACTOR- LOCKHEED UNIT COST- STATUS- NEXT EVENT- TERMINATED REFERENCE- AL WEIMORTS AV8722005		

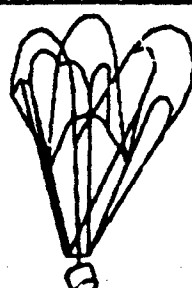
TARGETS ARMORED VEHICLES

NOMENCLATURE	NAME HVM
WEAPON CHARACTERISTICS WEIGHT-40-45 LBS. LENGTH-85 IN DIAMETER-4 0 IN. GUIDANCE-Laser command CONTROLS-THRUSTERS AUTOPILOT-ROLL REFERENCE PROPULSION-BOOST-SUSTAIN WARHEAD-6-8 LBS. K.E. ROD FUZE-None	
PICTORIAL 	
EMPLOYMENT OPTIONS AIRCRAFT F-16 (2) (PODS) A-10 (2) (PODS) ENGAGEMENT SYSTEM Aircraft target acq / track sys. Laser data link Advanced Lantirn pod LAUNCHER Multi-missile pod (20 missiles) PROGRAM MANAGEMENT CONTRACTOR-VOUGHT UNIT COST-\$6410 FY82\$ EST STATUS-GROUND LAUNCH DEMO 1983 NEXT EVENT- REFERENCE-MR. SHIREY AV8728877	

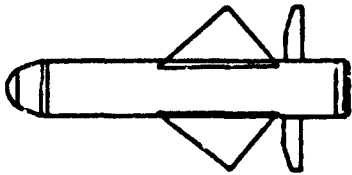
TARGETS. RUNWAYS

NOMENCLATURE		NAME RIM
WEAPON CHARACTERISTICS		
WEIGHT- 25lbs LENGTH- 20ins DIAMETER- 4.75ins GUIDANCE- N/A CONTROLS- N/A AUTOPILOT- N/A PROPULSION- N/A WARHEAD- 4 5lb SHAPED CHARGE DUAL STAGE FUZE- RANDOM DELAY		
PICTORIAL		
		
EMPLOYMENT OPTIONS		
DISPENSER		
LAD--48 SUBMUNITIONS HAMMER (TBU) MRASH		
PROGRAM MANAGEMENT		
CONTRACTOR- AEROJET GENERAL UNIT COST- \$525 FY82 STATUS- TERMINATED NEXT EVENT- REFERENCE-		

TARGETS ARMOR

NOMENCLATURE	NAME SADARM
WEAPON CHARACTERISTICS	
WEIGHT-TBD LESS THAN 10 LBS LENGTH-TBD DIAMETER- 5 OR 8 IN GUIDANCE- IR OR MMW CONTROLS- STABILIZING PARACHUTE AUTOPILOT-None PROPULSION-None WARHEAD- SFF FUZE- SENSOR FUZE	
PICTORIAL	
	
EMPLOYMENT OPTIONS	
DISPENSER SUU-05/B (40) SAW	
PROGRAM MANAGEMENT CONTRACTOR-HONEYWELL UNIT COST- STATUS-TERMINATED NEXT EVENT- REFERENCE- ARMY MLRS OFFICE	

TARGETS ARMOR

NOMENCLATURE		NAME: TGSM
WEAPON CHARACTERISTICS		
WEIGHT- 11 KG LENGTH- 63 CM. DIAMETER- 101 MM GUIDANCE- IR TWO COLOR CONTROLS- TAIL ELECTRICAL AUTOPILOT- 2 AXIS ACCELERATION PROPULSION- NONE WARHEAD- 2 KG SHAPED CHARGE FUZE- CONTACT		
PICTORIAL		
		
EMPLOYMENT OPTIONS		
DISPENSER TMD SAW		
PROGRAM MANAGEMENT CONTRACTOR- GENERAL DYNAMICS UNIT COST- \$18,000 STATUS- NEXT EVENT- REFERENCE-		

TARGETS AIRFIELDS

NOMENCLATURE

NAME VAM

WEAPON CHARACTERISTICS

WEIGHT-22-26 LBS

LENGTH-14-15 IN.

DIAMETER-4 5-5 Ø IN

GUIDANCE-None

CONTROLS-None

AUTOPILOT-None

PROPULSION-VELOCITY AUGMENTOR

WARHEAD-FORWARD CHARGE ~2 5 LBS FOLLOW THROUGH ~4 5 LBS

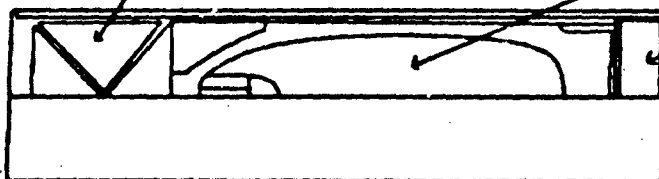
FUZE-IMPACT DELAY

PICTORIAL

FORWARD CHARGE

FOLLOW THROUGH
CHARGE

VELOCITY
AUGMENTOR



EMPLOYMENT OPTIONS

DISPENSER

MRASH (38)

HAMMER (TBD)

PROGRAM MANAGEMENT

CONTRACTOR- LAWRENCE LIVERMORE

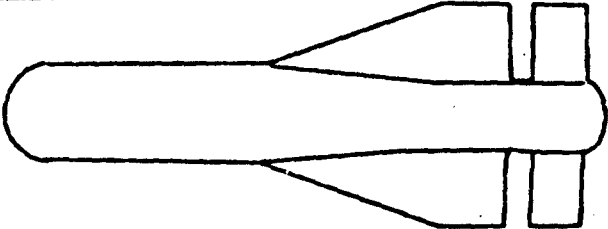
UNIT COST-

STATUS-

NEXT EVENT-

REFERENCE-M CALUDA AVB725375

TARGETS ARMOR

NOMENCLATURE		NAME WASP-MISSILE
WEAPON CHARACTERISTICS		
WEIGHT- 126 Lbs. LENGTH- 66 in DIAMETER- 8 in GUIDANCE- MMW CONTROLS- AUTOPILOT-BIAS PURSUIT PROPULSION- BOOST SUSTAIN WARHEAD- 20 Lbs. SHAPED CHARGE FUZE- CONTACT		
PICTORIAL		
		
EMPLOYMENT OPTIONS		
AIRCRAFT (PRIMARY)		LAUNCH MODES
F-16 (2) A-7 (2) F-111 (4) F-4 (2) PODS A-10 (2) NATO		BLIND LAUNCH CLOSE AIR SUPPORT
ENGAGEMENT SYSTEMS		
PAVE MOVER		
INERTIAL SYSTEM		
LAUNCHER		
WASP POD (PLYON MOUNTED)		
22 x 24 in. 8 MSLS LOAD		
210 in long		
PROGRAM MANAGEMENT		
CONTRACTOR-HUGHES		
UNIT COST- \$32,500 FY82 OVE MSL		
STATUS- COMPLETED VALIDATION		
NEXT EVENT-TERMINATED		
REFERENCE-		