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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

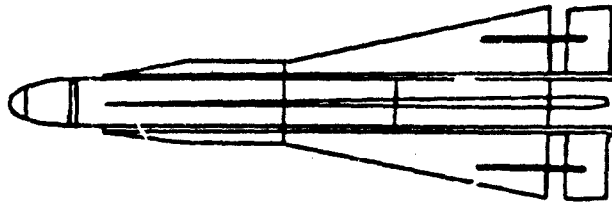
NOMENCLATURE AIM-4G

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 63SEC/4.09SEC
WARHEAD-BLAST 8 65 LBS
FUZE- CONTACT LEADING EDGE OF FINS

PICTORIAL



EMPLOYMENT OPTIONS

AIRCRAFT
F-106
F-102

ENGAGEMENT SYSTEMS
None

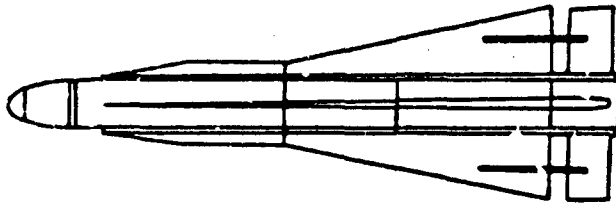
LAUNCHER
LE-6

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

LIMITATIONS
70000 FT ALT
TARGET SPEED
MAX 1.7M
HIT TO KILL
16 SEC
REACTION TIME

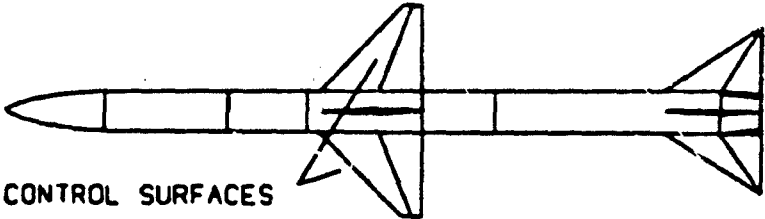
TARGETS AIRCRAFT

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 I.E-8 | 16 SEC REACTION TIME | |
| PROGRAM MANAGEMENT CONTRACTOR- HUGHES UNIT COST- STATUS- INVENTORY NEXT EVENT- REFERENCE- JMEM | | |

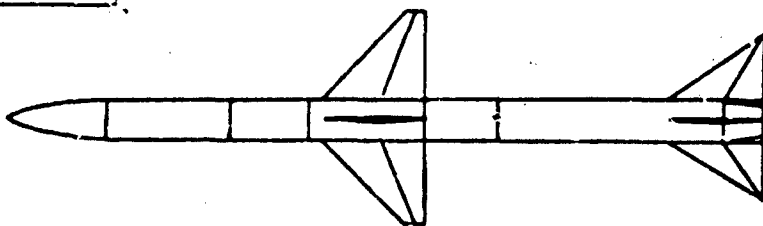
TARGETS AIRCRAFT

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 | | |
|  <p>CONTROL SURFACES</p> | | |
| EMPLOYMENT OPTIONS | | |
| AIRCRAFT F-4 F-15 F-14 | LAUNCHER AERO-7A LAU-105/A | LIMITATIONS LAUNCH MACH 0.7-2.2 MAX TGT SPEED MACH 2.2 LAUNCH ALT 25-40,000 FT MAX TOF 40 SEC |
| 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 1010 Lbs 11 sec WARHEAD-Continuous rod 84 Lbs FUZE-Proximity RF & contact | | |
| PICTORIAL | | |
|  | | |
| EMPLOYMENT OPTIONS | | |
| AIRCRAFT | | LIMITATIONS |
| F-4 (4) | | LAUNCH MACH 0.7-2.5 |
| F-15 (4) | | MAX TGT SPEED MACH 2.2 |
| F-14 (4) | | 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

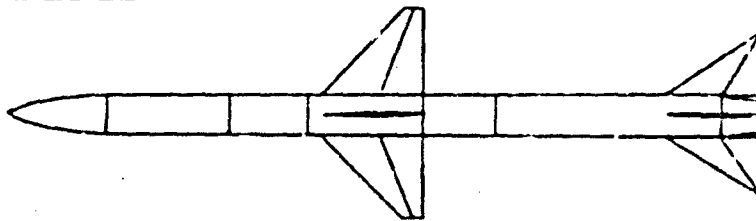
MEDIUM RANGE

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 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-673,300
STATUS-INVENTORY
NEXT EVENT-
REFERENCE-JMEN

TARGETS AIRCRAFT

SHORT RANGE

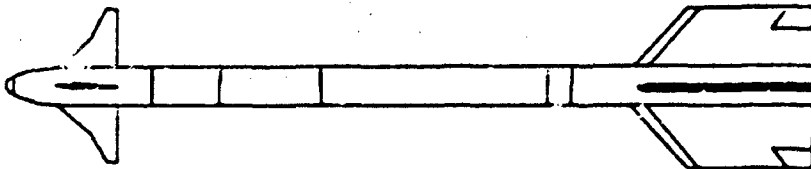
NOMENCLATURE AIM-9L

NAME SIDEWINDER

WEAPON CHARACTERISTICS

WEIGHT- 19 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

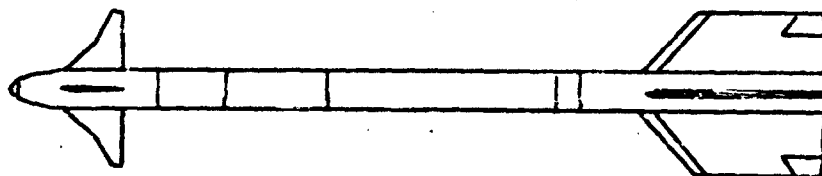
NOMENCLATURE AIM-9M

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

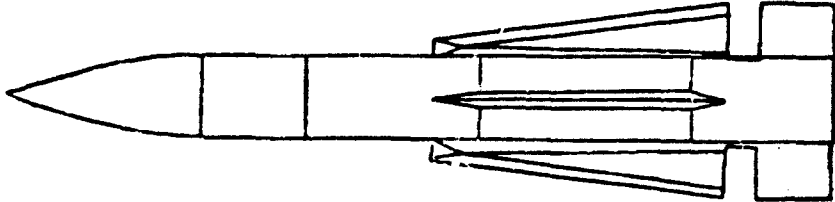
- AERO-3/B
- LAU-114/A

PROGRAM MANAGEMENT

CONTRACTOR- NAVY (RAYTHEON & FORD)
 UNIT COST- \$66,833
 STATUS- INVENTORY
 NEXT EVENT-
 REFERENCE- JMEM

TARGETS AIRCRAFT

LONG RANGE

| | | | |
|--|--------|------|---------|
| NOMENCLATURE | AIM-54 | NAME | PHOENIX |
| WFAPON 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

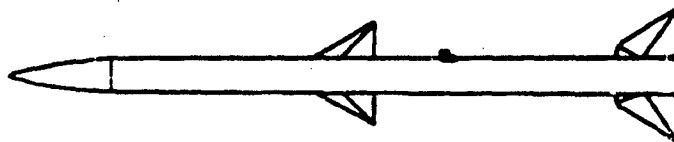
NOMENCLATURE AIM-120

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

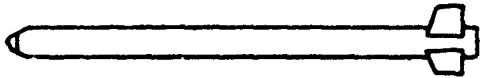
A/C RADAR
INERTIAL SYSTEM

PROGRAM MANAGEMENT

CONTRACTOR- HUGHES
UNIT COST-
STATUS- FSO
NEXT EVENT- PREPRODUCTION - 1985
REFERENCE- YN MR. MCCARTHY 872-2048

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

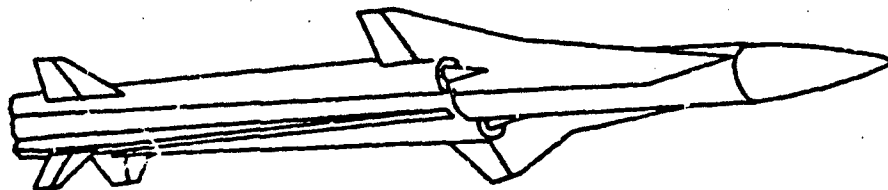
NAME EMRAAT

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 jet

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

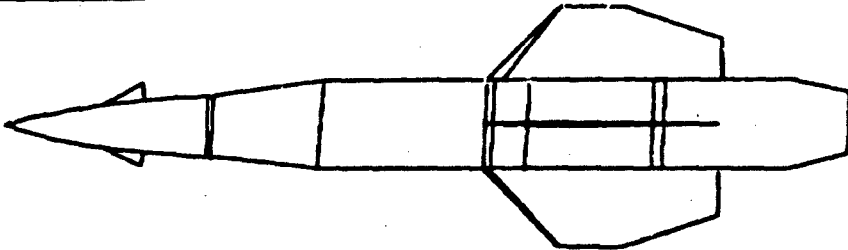
PROGRAM MANAGEMENT

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

**GUIDED
WEAPONS**

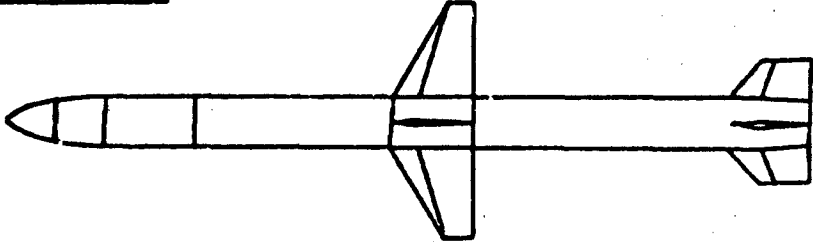
TARGETS HARD FIXED

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-974lb 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

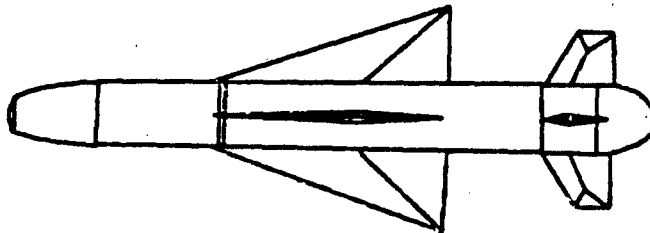
MEDIUM RANGE

| | | | |
|--------------|-------------|------|--------|
| NOMENCLATURE | AGM-53A-1/2 | NAME | CONDOR |
|--------------|-------------|------|--------|

WEAPON CHARACTERISTICS

WEIGHT- 2130lb
LENGTH- 168/175 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-8E

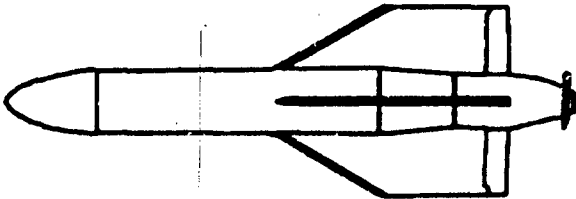
LAUNCHER
AERO 7A-R
MAUSA/A

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

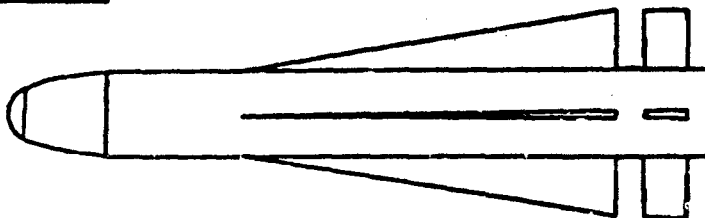
SHORT RANGE

| | |
|-------------------------|----------------|
| 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

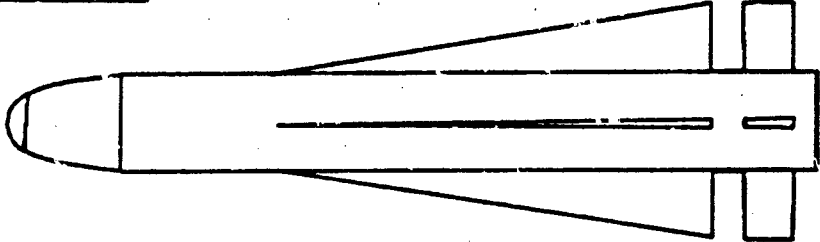
LIMITATIONS
MACH 5-1.5
BELOW 33 KFT
LAUNCHER
LAU-88A

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 | | LAUNCHER |
| F-4 (4) | F-15 (4) | LAU-88A |
| A-7 (4) | | LAU-117A |
| A-10 (4) | | |
| F-16 (4) | | |
| 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

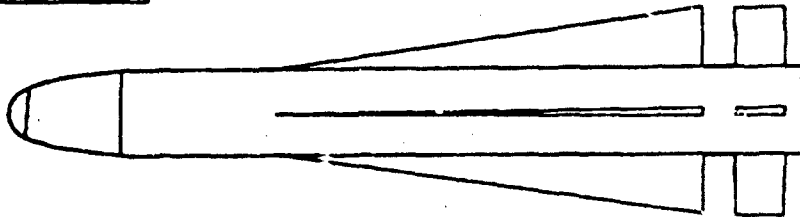
NOMENCLATURE AGM-85F

NAME MAVERICK

WEAPON CHARACTERISTICS

WEIGHT- 675 LBS
LENGTH- 97 7in
DIAMETER-12IN
GUIDANCE-IIR
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-18 (4)

LAUNCHER

LAU-88A
LAU-117A

ENGAGEMENT SYSTEMS

TV DISPLAY
Joy stick

LIMITATIONS

MACH 5-15

PROGRAM MANAGEMENT

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

TARGETS EMITTERS

LONG RANGE

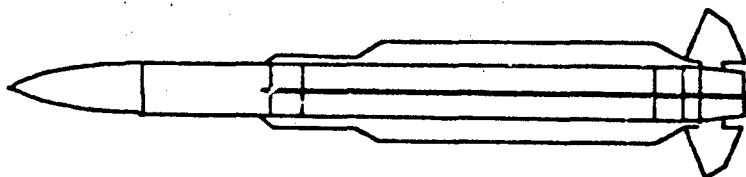
NOMENCLATURE AGM-78

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

F-4 (4)
F-105 (2)
A-6E

LAUNCHER

LAU-77
LAU-7F
LAU-80

ENGAGEMENT SYSTEMS

AVC-21
APR-35, 36, 37
ALR-69

PROGRAM MANAGEMENT

CONTRACTOR- GENERAL DYNAMICS
UNIT COST-
STATUS- INVENTORY
NEXT EVENT-
REFERENCE- JMEM 3-35

LIMITATIONS

MAX RANGE 65NM
MAX LAUNCH VELOCITY 2 GM

TARGETS SHIPS

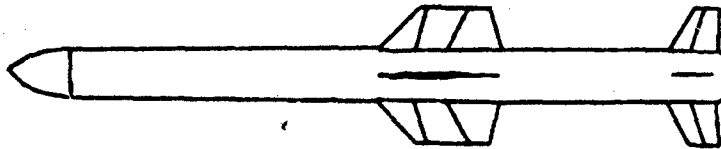
LONG RANGE

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

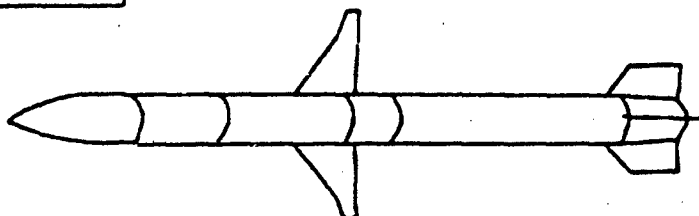
MEDIUM RANGE

| | |
|---------------------|-----------|
| NOMENCLATURE AGM-88 | NAME HARM |
|---------------------|-----------|

WEAPON CHARACTERISTICS

WEIGHT- 760 LBS
LENGTH- 164 IN
DIAMETER- 10 IN
GUIDANCE- ANTI-RADIATION
CONTROLS- WING ELECTRO-MECHANICAL
AUTOPILOT- 3 AXIS RATE
PROPULSION- BOOST SUSTAIN 64,000 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

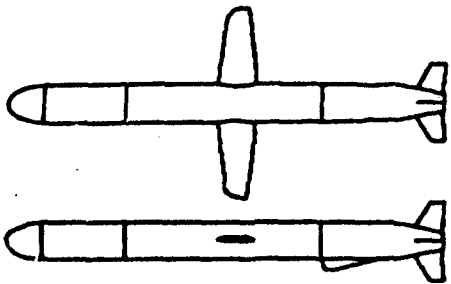
LAU-118

PROGRAM MANAGEMENT

CONTRACTOR-TEXAS INSTRUMENTS
UNIT COST- \$280,000
STATUS-PRODUCTION
NEXT EVENT-
REFERENCE-JMEM 3-41

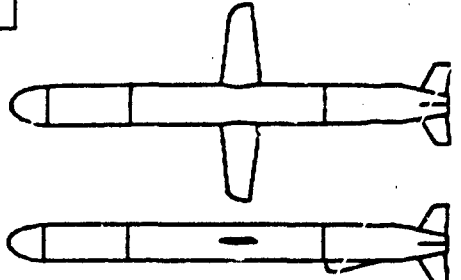
TARGETS AIRFIELDS & RUNWAYS

LONG RANGE

| | | |
|---|--|--------------------|
| NOMENCLATURE . AGM-109H | | NAME MRASM |
| WEAPON CHARACTERISTICS | | |
| WEIGHT- 3000 Lbs LENGTH- 232 In DIAMETER- 20 3 In GUIDANCE- Inertial update CONTROLS- Tail AUTOPILOT- 3 axis acceleration PROPULSION- Turbojet WARHEAD- See submunitions below FUZE- See submunitions | | |
| PICTORIAL | | |
|  | | |
| EMPLOYMENT OPTIONS | | |
| SUBMUNITIONS | | ENGAGEMENT SYSTEMS |
| ACM AMIS BLU-63 BTM VAM CEB BKEP | | 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

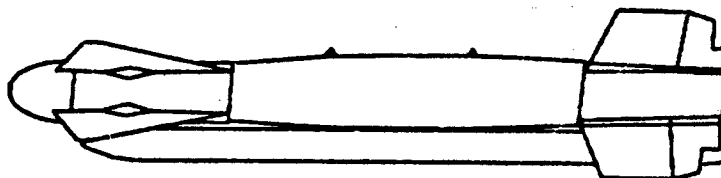
NOMENCLATURE AGM-130A

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

Ø.55-1.4 MACH BELOW 40 KFT

ENGAGEMENT SYSTEMS

TV, IIR, RADAR DISPLAY
JOY STICK
DATA LINK

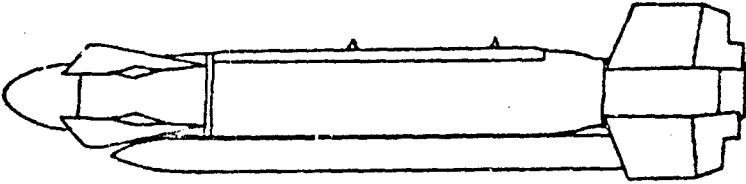
LAUNCHER

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 |
| 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 | | SUBMUNITIONS |
| F-4E F-15 } ANTICIPATED | | BLU-97/B (CEB ~400) |
| F-111F A-10 } | | 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

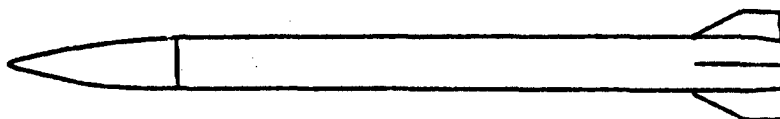
NOMENCLATURE

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

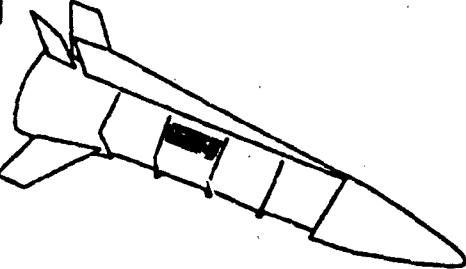
B-52
F-111 (4)
F-4 (2)
F-16 (2)
A-10 (2)
A-7 (2)

PROGRAM MANAGEMENT

CONTRACTOR- MARJIN MARJETTA
UNIT COSY-
STATUS- TECHNOLOGY TRANSFERED TO JTACMS
NEXT EVENT-
REFERENCE- ESD AV 478-5088 EXT 3875

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 |  <p data-bbox="971 880 1199 947">ONE CONCEPT DESIGN TBD</p> |
| 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

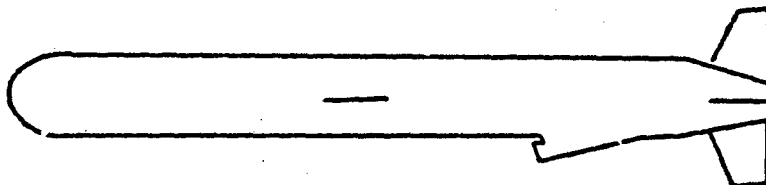
NOMENCLATURE

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

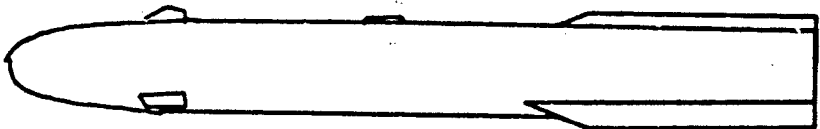
B-52

PROGRAM MANAGEMENT

CONTRACTOR-
UNIT COST-
STATUS- ADVANCED DEVELOPMENT COMPLETED
NEXT EVENT-
REFERENCE- MR. GAY AV 872-2838

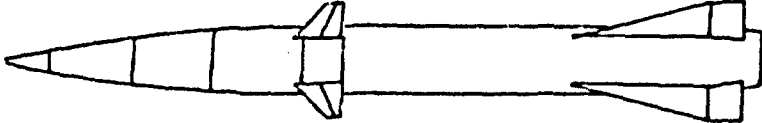
TARGETS ARMOR

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

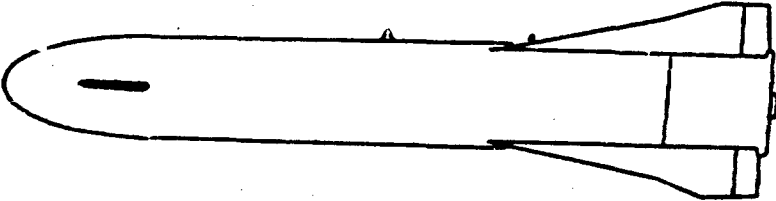
| | | |
|--|--|-------------|
| NOMENCLATURE | | NAME JTACMS |
| WEAPON CHARACTERISTICS | | |
| WEIGHT- 3300 LBS LENGTH- 208 in DIAMETER-19 7 in. GUIDANCE-Inertial updated (PLSS & JSTARS) CONTROLS-tail AUTOPILOT-3 axis acceleration PROPULSION-TBD (ROCKET OR INTEGRAL ROCKET RAMJET) WARHEAD-See submunitions 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 1985 REFERENCE- COL. BARRETT 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 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 | | |

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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

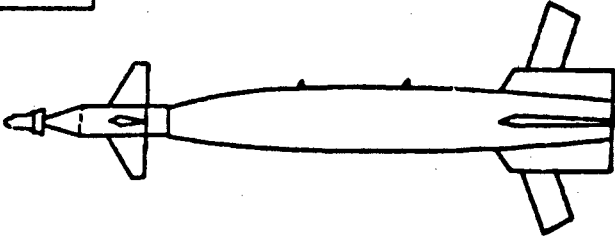
- RVR
- INERTIAL SENSORS
- JTIDS
- GPS/DME

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 | | LIMITATIONS |
| A-7 (2) | | MAX VEL. 600 KTAS |
| F-4 (2-4) | | |
| F-16 (2) | | |
| F-111 (4) | | |
| F-15 (2) | | |
| 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

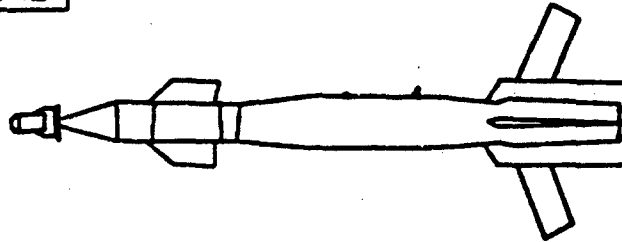
NOMENCLATURE GBU-12B/B

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- 68,100
STATUS- INVENTORY
NEXT EVENT-
REFERENCE- JMEM 1-52

TARGETS SHIPS, SAMsites, BRIDGES

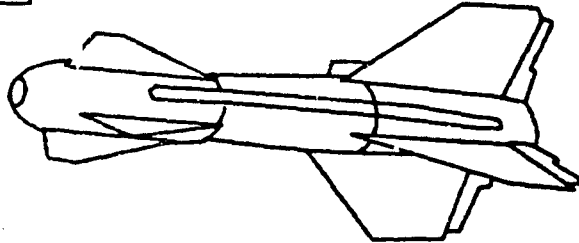
MEDIUM RANGE

NOMENCLATURE GBU-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

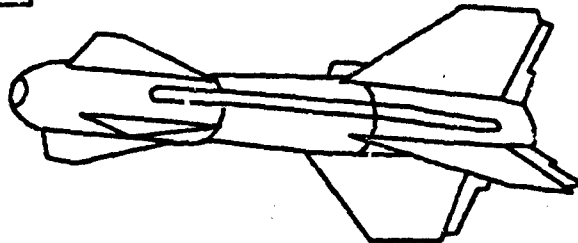
AUTOPILOT-Pitch & Yaw rate, Roll position

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-IOT&E

NEXT EVENT-PRODUCTION DECISION 1985

REFERENCE-CAPT PHILLIPS AV 872-4100

TARGETS PERSONNEL/ARMOR/AIRFIELDS

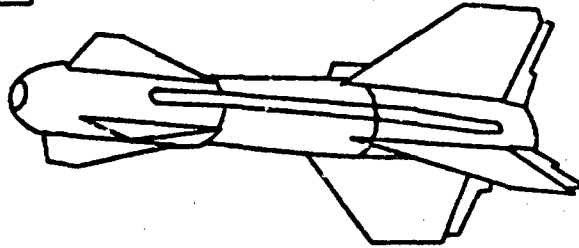
MEDIUM RANGE

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

SUBUNITIONS

| | | |
|-----------|--------|----------|
| {BLU-63/B | {1478} | } CBU-75 |
| {BLU-66/B | {370} | |
| 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

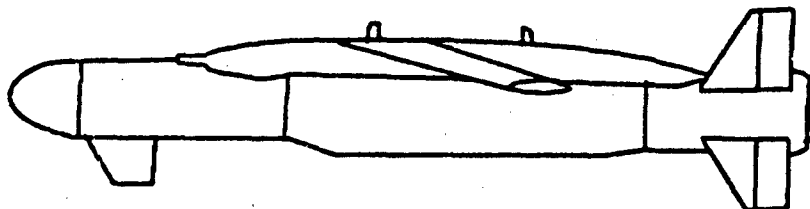
MEDIUM RANGE

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

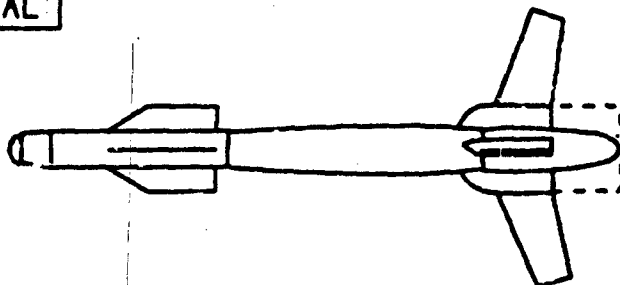
NOMENCLATURE GBU-22

NAME LLLGB MK-82

WEAPON CHARACTERISTICS

WEIGHT-800 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

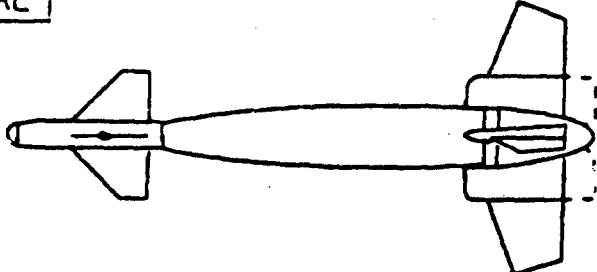
300 KTAS TO 1.4M

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 GBU-24 | | NAME LLLGB MK-84 |
| WEAPON CHARACTERISTICS | | |
| WEIGHT-2267 Lbs LENGTH-169 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 | | LAUNCHER |
| F-4 (2) | | MAU-12 |
| F-111 (4) | | BRU-3 |
| A-7 (2) | | TER |
| F-16 (2) | | 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

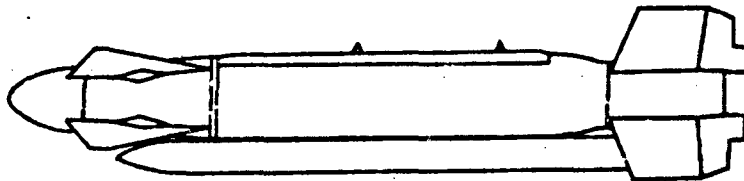
NOMENCLATURE

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

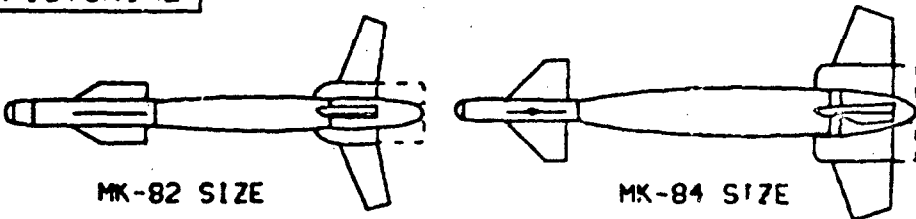
CPS
PLSS
INERTIAL

PROGRAM MANAGEMENT

CONTRACTOR- BDM 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 | LIMITATIONS | |
| F-4 (2-4) F-111 (4-8) A-7 (2-4) F-16 (2-4) | 300 KTAS TO 1.4 MACH | |
| ENGAGEMENT SYSTEMS BOMBING COMPUTER | | |
| LAUNCHER MAU-12 BRU-3 TER/MER | | |
| PROGRAM MANAGEMENT CONTRACTOR- TEXAS INSTRUMENTS (SEEKER DEV IRHVTA) UNIT COST-> \$20,000 STATUS-ADVANCED DEVELOPMENT NEXT EVENT-FSD 1988 REFERENCE- MAJ MARTINDALEAV 872-4838 | | |

**UNGUIDED
WEAPONS**



vii

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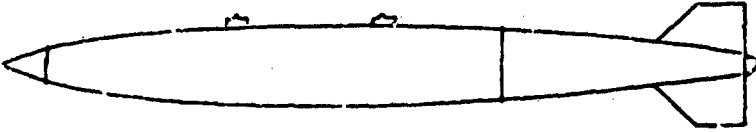
TARGETS HARD AREA TARGETS

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 7 MOD 2 DISPENSER | |  MK 118 MOD 0 BOMBS |
| EMPLOYMENT OPTIONS | | |
| AIRCRAFT F-4 (4-8) F-15 (8) F-16 (4) A-7 (6) A-10 (6) F-111 (8) | LAUNCHER PYLON MOUNTED | LIMITATIONS MAX CARRAGE MACH 1 3/7 @ KCAS DELIVERY 225-500 KCAS MIN ALT REL 500 FT AGL OR 100 FT AGL WITH 4G ESCAPE |
| 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 | | LIMITATIONS | |
| F-4 (4-6) F-16 (4) A-10 (6) F-111 (12) A-7 (8) F-15 (4-8) | | 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

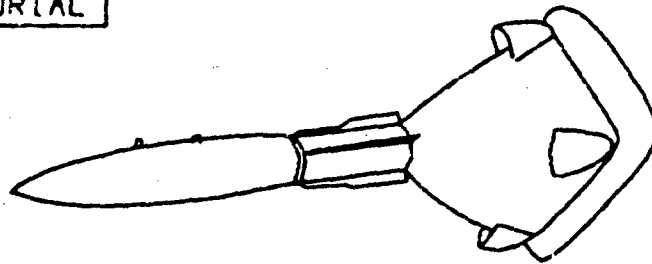
SHORT RANGE

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: FHU-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

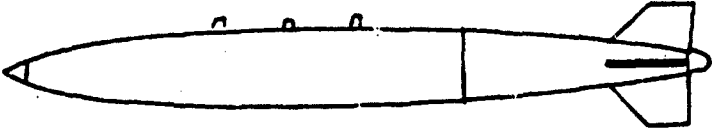
BOMBING COMPUTER

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) F-4 (2) F-16 (2) F-111 (4) F-15 (3) | | 600 KIAS | |
| 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

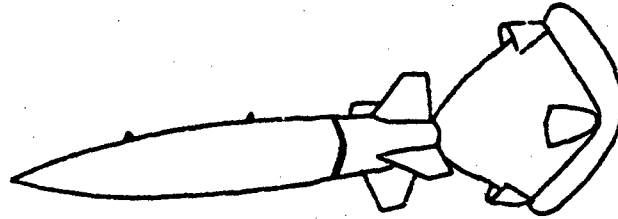
SHORT RANGE

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

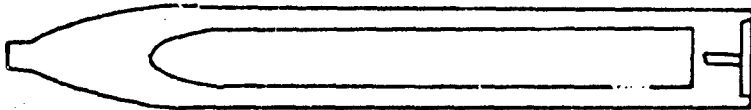
ENGAGEMENT SYSTEMS
BOMBING COMPUTER

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-1028 LBS. LENGTH-100 IN DIAMETER- 14.5 IN. GUIDANCE- CONTROLS- AUTOPILOT- PROPULSION- } INTEGRATED INTO GBU-15 AND GBU-24 WARHEAD- FUZE-FMU-112, FMU-139, FMU-124, MOD FUZE | | |
| PICTORIAL | | |
|  | | |
| EMPLOYMENT OPTIONS | | |
| AIRCRAFT | | LAUNCHER |
| A-7 (2) | | MAU-12 |
| F-16 (2) | | MER/TER |
| F-111 (4) | | |
| F-4 (2) | | |
| ENGAGEMENT SYSTEMS | | |
| SAME AS GBU-15 OR LLLGB | | |
| LIMITATIONS | | |
| 300 KTAS TO 1.4 M LAUNCH | | |
| PROGRAM MANAGEMENT | | |
| CONTRACTOR- | | |
| UNIT COST-08-10K | | |
| STATUS- ADV DEV | | |
| NEXT EVENT- FSD | | |
| REFERENCE- DR. CALUDA AV0725375 | | |

TARGETS HARD FIXED

SHORT RANGE

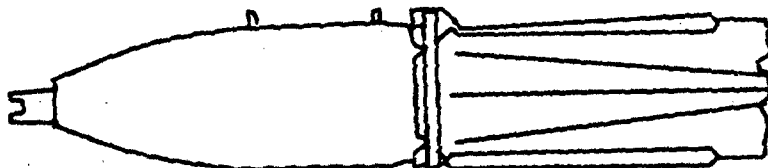
NOMENCLATURE M117 RETARD

NAME: GP BOMB

WEAPON CHARACTERISTICS

WEIGHT- 954 LBS.
LENGTH- 82 IN.
DIAMETER- 18 1/2 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

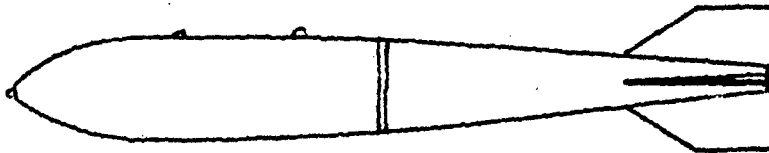
NOMENCLATURE: M118

NAME: DEMOLITION BOMB

WEAPON CHARACTERISTICS

WEIGHT- 3220 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-

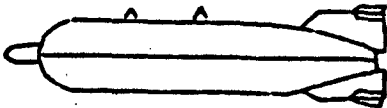
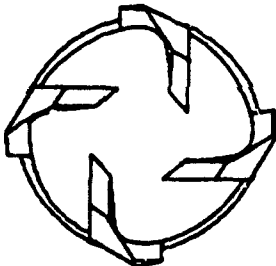
STATUS- INVENTORY

NEXT EVENT-

REFERENCE- JMEM 1-34

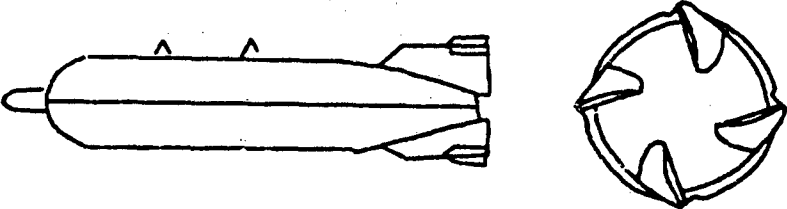
TARGETS PERSONNAL/MATERIAL

SHORT RANGE

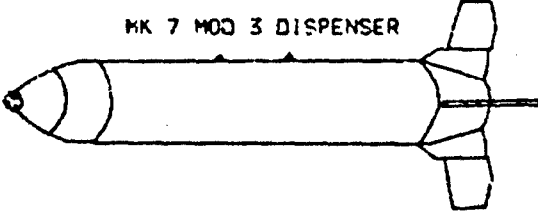
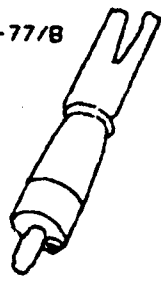
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| NOMENCLATURE CBU-52 /BLU-61 | | NAME |
| WEAPON CHARACTERISTICS | | |
| WEIGHT- 789 LBS LENGTH- 93 IN DIAMETER- 16 IN GUIDANCE-None CONTROLS-None AUTOPILOT-None PROPULSION-None WARHEAD- 220 BLU-61A/B BOMBLETS FUZE- M339 Dispenser , M219 Bomblet | | |
| 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 |
| ENGAGEMENT SYSTEMS BOMBING COMPUTER | SUBMUNITION 220 BLU-61A/B | |
| PROGRAM MANAGEMENT CONTRACTOR- USA UNIT COST- \$1800 STATUS- INVENTORY NEXT EVENT- REFERENCE- JMEM 8-44 | | |

TARGETS LIGHT MATERIAL

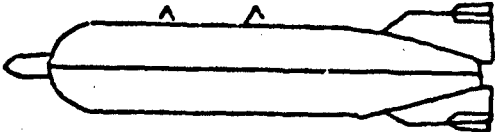
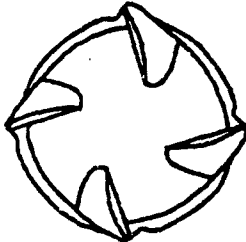
SHORT RANGE

| | | |
|--|-------------------|------|
| 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 | LIMITATIONS | |
| A-7 (8) | MAX VEL. 625 KIAS | |
| F-4 (4-8) | | |
| F-10 (4) | | |
| F-111 (8) | DISPENSER | |
| F-15 (8) | SUU-30H/B | |
| ENGAGEMENT SYSTEMS | SUBMUNITION | |
| BOMBING COMPUTER | 650 BLU-63/B | |
| LAUNCHER | | |
| 14 INCH BOMB RACKS | | |
| PROGRAM MANAGEMENT | | |
| CONTRACTOR- USA | | |
| UNIT COST- \$3124 | | |
| STATUS- INVENTORY | | |
| NEXT EVENT- | | |
| REFERENCE- JMEM 6-88 | | |

TARGETS HARD AREA TARGETS

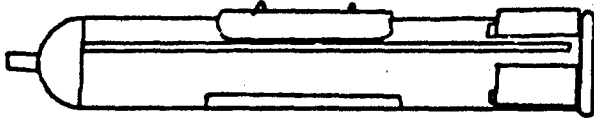
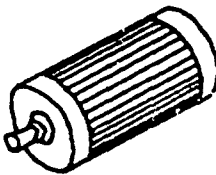
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|---|--|--|
| NOMENCLATURE CBU-59/B | | NAME APAM |
| WEAPON CHARACTERISTICS | | |
| WEIGHT- 750 LBS LENGTH- 92 INCH DIAMETER- 13 2 INCH GUIDANCE- UNGUIDED CONTROLS- NONE AUTOPILOT- NONE PROPULSION- NONE WARHEAD- 717 BLU-77/B SHAPED CHARGE FUZE- CONTACT 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:

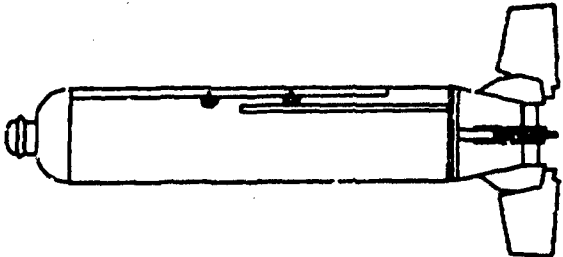
| | | |
|---|--|---|
| NOMENCLATURE CBU-71/B | | NAME |
| WEAPON CHARACTERISTICS | | |
| WEIGHT- 789 LBS LENGTH- 93 IN DIAMETER- 16 IN GUIDANCE- None CONTROLS- None AUTOPILOT- None PROPULSION- None WARHEAD- 650 BLU-86 TIME DELAY BOMBLETS FUZE- M330 Dispenser, M219 Bomblet | | |
| PICTORIAL | | |
|  | |  |
| EMPLOYMENT OPTIONS | | |
| AIRCRAFT A-7 (8) F-4 (4-8) F-16 (4) F-111 (8) F-15 (8) | | LIMITATIONS MAX VEL 625 KIAS |
| ENGAGEMENT SYSTEMS BOMBING COMPUTER LAUNCHER 14 INCH BOMB RACKS PROGRAM MANAGEMENT CONTRACTOR- USA UNIT COST- \$3824 STATUS- NEXT EVENT- REFERENCE- JMEM 6-71 | | DISPENSER SUU-30H/B |
| | | 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) | | |
| A-7 (4) | ENGAGEMENT SYSTEMS | |
| | None | |
| LIMITATIONS | | |
| A/C LAUNCH ENV | | |
| LAUNCHER MER/TER | | |
| PROGRAM MANAGEMENT | | |
| CONTRACTOR-AERO JET GENERAL | | |
| UNIT COST-\$13,500 | | |
| STATUS- | | |
| NEXT EVENT- | | |
| REFERENCE- S08M 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 | DISPENSER | |
| F-16 (4) | SUU-64/B | |
| F-111 (8) | | |
| A-10 (4) | SUBMUNITION | |
| F-4 (8) | BLU-91/B (72) ANTI-TANK | |
| ENGAGEMENT SYSTEMS | BLU-92/B (22) ANTI-PERSONNEL | |
| NONE | LAUNCHER | |
| LIMITATIONS | MER/TER | |
| DELIVERY ENVELOPE | | |
| 200 ft TO 40,000 ft ALT | | |
| 200 TO 700 KNOTS A/S | | |
| PROGRAM MANAGEMENT | | |
| CONTRACTOR-HONEYWELL/AEROJET | | |
| UNIT COST-\$25,800 | | |
| STATUS- | | |
| NEXT EVENT- | | |
| REFERENCE-VALADE AV8723000 | | |

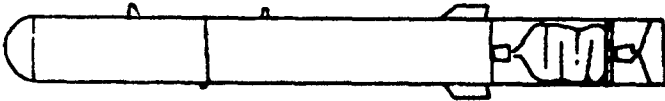
TARGETS HEAVY ARMOR

| | | | |
|--|----------|---------------------|------|
| NOMENCLATURE | CBU-90/B | NAME | ACM |
| WEAPON CHARACTERISTICS | | | |
| WEIGHT- 945 lbs LENGTH- 92 ins DIAMETER- 15 8 ins GUIDANCE- N/A CONTROLS- Spin Option AUTOPILOT- N/A PROPULSION- N/A WARHEAD- BLU-99 (ACM) {3 horizontal and 1 downward slug {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) | DISPENSER | |
| F-111 | (8) | SUU-65/B | |
| A-10 | (4) | | |
| 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 | | LIMITATIONS |
| F-4 (4-8) F-16 (4) F-111 (12) F-15 (8) | | 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

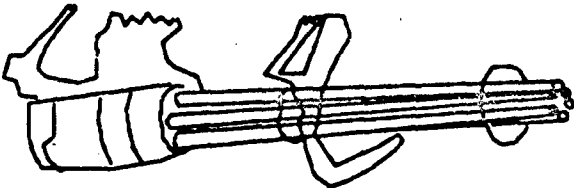
LAUNCHER

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

TARGETS AREA TARGETS

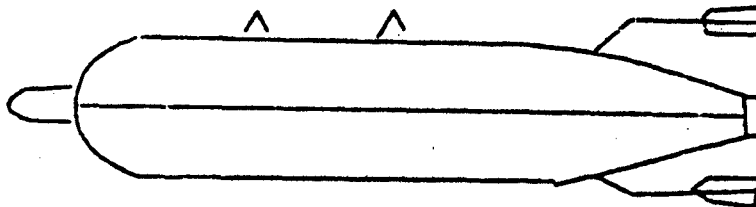
NOMENCLATURE SUU-30A/B

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



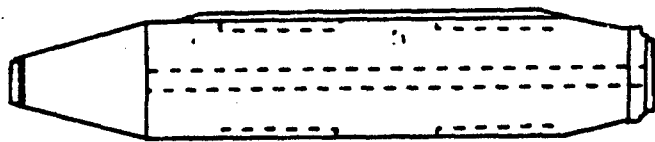
EMPLOYMENT OPTIONS

| 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 SUBUNITIONS FUZE- FMU-110/B | | |
| PICTORIAL | | |
|  | | |
| EMPLOYMENT OPTIONS | | |
| AIRCRAFT | | |
| C-111 (4) F-4 (2) F-16 (2) A-7 (2) | | |
| SUBUNITIONS | | |
| BLU-83/B (1440) | } | { CBU-75/B |
| BLU-86/B (300) | | |
| 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 872-4621 | | |

TARGETS ARMOR, AREA

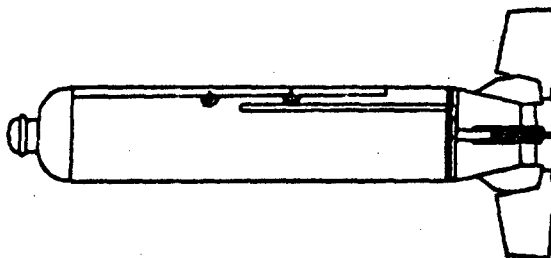
SHORT RANGE

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

F-4 (6)
F-16 (4)
F-111 (8)
A-10 (4)
A-7 (4)
B-52D (180)

SUBMUNITIONS

BLU-99/B (48)
BLU-101/B (9)
BLU-102/B (12)
BLU-97/B (202)
{BLU-91/B} (72) AT
{BLU-92/B} (22) AP
SKEET (64)

ENGAGEMENT SYSTEMS

None

LAUNCHER

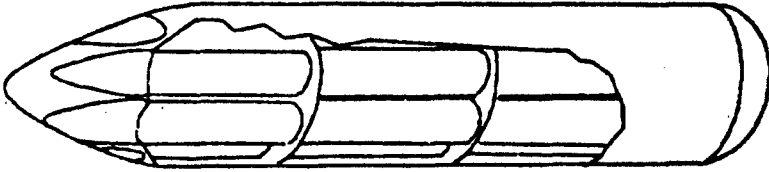
MER/TER & MSER

PROGRAM MANAGEMENT

CONTRACTOR- HONEYWELL
UNIT COST- \$3474
STATUS- PRODUCTION
NEXT EVENT-
REFERENCE- MR. VALADE AV 872-3000

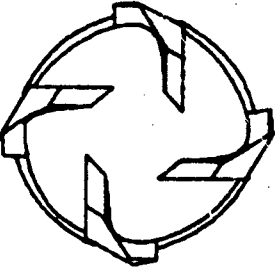
TARGETS ARMOR

SHORT RANGE

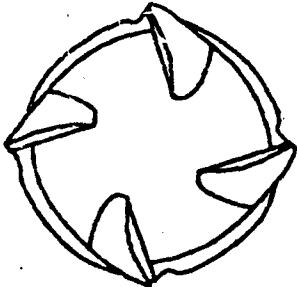
| | | |
|---|--|---------------|
| NOMENCLATURE | | NAME WASP POD |
| WEAPON CHARACTERISTICS | | |
| WEIGHT- 1813 LBS LENGTH- 210 IN DIAMETER-22 X 24 IN GUIDANCE-N/A CONTROLS-N/A AUTOPILOT-N/A PROPULSION-N/A WARHEAD-WASP Submunitions FUZE-N/A | | |
| PICTORIAL | | |
|  | | |
| EMPLOYMENT OPTIONS | | |
| 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

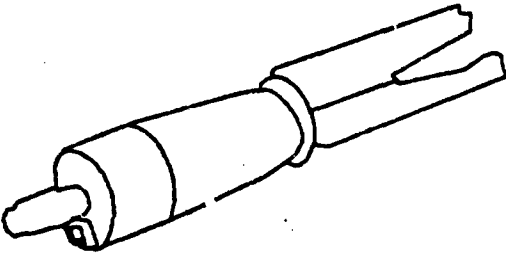
TARGETS VEHICLES, PERSONNEL

| | |
|---|--------------|
| NOMENCLATURE BLU-81A/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-68.00 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 | | |
| ZIRCONIUM CUP FOR INCINDERY | | |
| 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

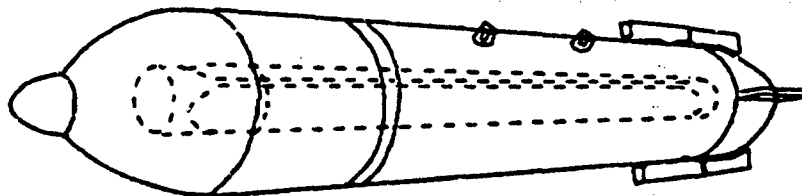
NOMENCLATURE BLU-80/B

NAME BIGEYE

WEAPON CHARACTERISTICS

WEIGHT-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

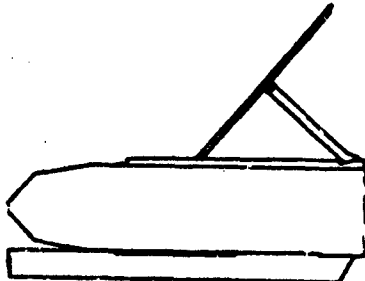
SUBMUNITIONS

| | | |
|-----------|---------|----------|
| {BLU-63/B | (1470)} | } 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

| | |
|--|-----------------------------------|
| <p>NOMENCLATURE BLU-81/B</p> | <p>NAME STAM</p> |
| <p>WEAPON CHARACTERISTICS</p> <p>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 MINE FUZE- Seismic</p> | |
| <p>PICTORIAL</p>  | |
| <p>EMPLOYMENT OPTIONS</p> <p>DISPENSERS TMD (9) SUU-54 (18)</p> <p>LIMITATIONS Heavy foliage may reduce effectiveness</p> <p>AIRCRAFT A-10 (2) F-16 (2) F-4 (2)</p> <p>PROGRAM MANAGEMENT CONTRACTOR- GENERAL DYNAMICS UNIT COST- STATUS- DISCONTINUED NEXT EVENT- REFERENCE- MR BIELE AV 872-8501</p> | |

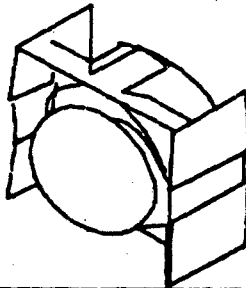
TARGETS ARMOR

| | | |
|--------------|----------|------------|
| NOMENCLATURE | BLU-91/B | NAME GATOR |
|--------------|----------|------------|

WEAPON CHARACTERISTICS

WEIGHT-4 31 Lbs
LENGTH-
DIAMETER-5 7 x 5 0 x 2 0 In
GUIDANCE-None
CONTROLS-None
AUTOPILOT-None
PROPULSION-None
WARHEAD- Mass focus
FUZE- Magnetic

PICTORIAL

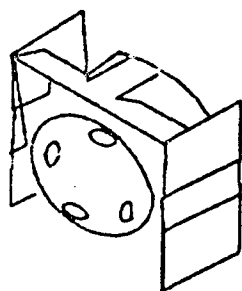


EMPLOYMENT OPTIONS

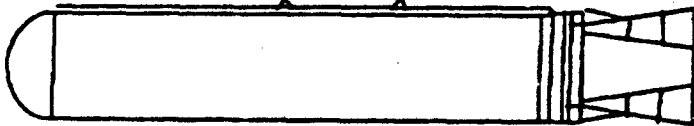
DISPENSER
SUU-64/B non-spin TMD (72)
WEAPON SYSTEM
CBU-80/B

PROGRAM MANAGEMENT
CONTRACTOR-HONEYWELL
UNIT COST-\$197
STATUS-PRODUCTION
NEXT EVENT-
REFERENCE- MR VALADE AV 872-3000

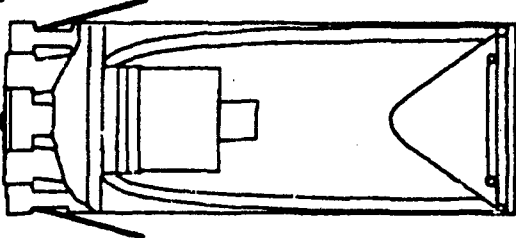
TARGETS PERSONNEL

| | | | |
|---|----------|------|-------|
| NOMENCLATURE | BLU-92/B | NAME | GATOR |
| WEAPON CHARACTERISTICS | | | |
| HEIGHT-5 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 872-3000 | | | |

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- JMEM 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 | | | |

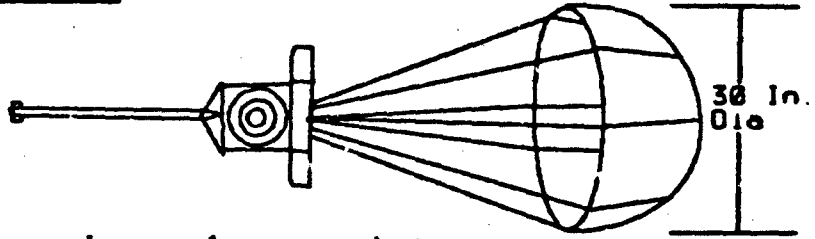
TARGETS HEAVY ARMOR

| | |
|-----------------------|----------|
| NOMENCLATURE BLU-99/B | NAME ACM |
|-----------------------|----------|

WEAPON CHARACTERISTICS

WEIGHT-14 Lbs
LENGTH-7.78 In high
DIAMETER-6.8 In wide wedge shaped
GUIDANCE-None
CONTROLS-None
AUTOPILOT-None
PROPULSION-None
WARHEAD-Self forging frag
FUZE-contact

PICTORIAL



Flat panel cruciform parachute

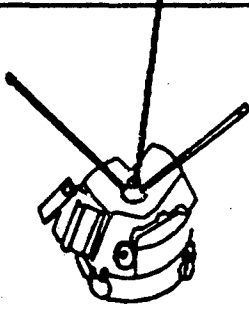
EMPLOYMENT OPTIONS

DISPENSER
SUU-65/B (48)

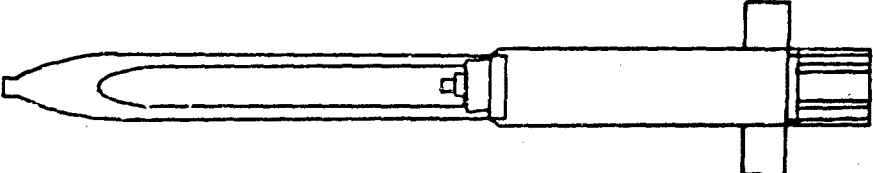
WEAPON SYSTEM
CBU-98/B

PROGRAM MANAGEMENT
CONTRACTOR-HONEYWELL
UNIT COST-\$300
STATUS-TERMINATED
NEXT EVENT-
REFERENCE- AD/YA AV 872-8418

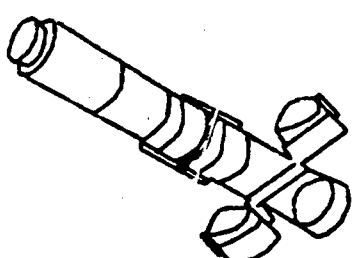
TARGETS: ARMORED VEHICLES

| | | | |
|---|--|----------------------|--|
| NOMENCLATURE BLU-101/B | | NAME ERAM | |
| WEAPON CHARACTERISTICS | | | |
| WEIGHT- 80 lbs. LENGTH- 8 0 In DIAMETER-14 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 | |

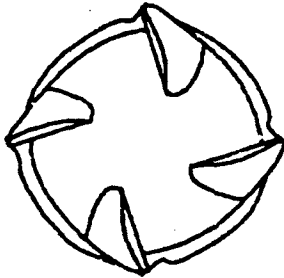
TARGETS AIRFIELDS

| | | |
|--|--|-----------|
| 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 | | |

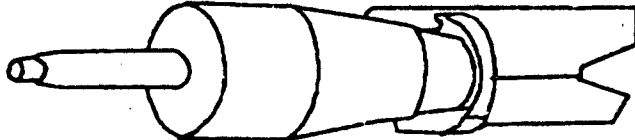
TARGETS ARMOR

| | | |
|--|-------------------|------------------------|
| 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) | SDVA (10) PER TMD | |
| F-4 (4) | | |
| F-16 (4) | | |
| F-111 (8) | | |
| A-7 (6) | DISPENSER | |
| F-15 (6) | 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 | | |

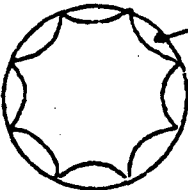
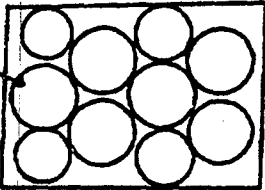
TARGETS LIGHT MATERIAL

| | |
|--|-------------|
| 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 | |

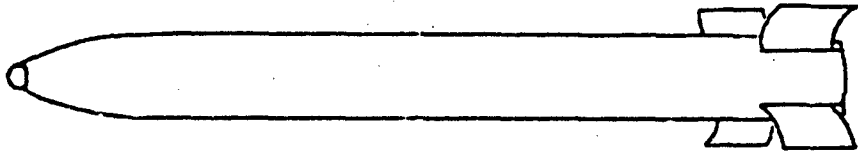
TARGETS: ARMOR

| | | |
|--|--|--------------|
| 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 | | |

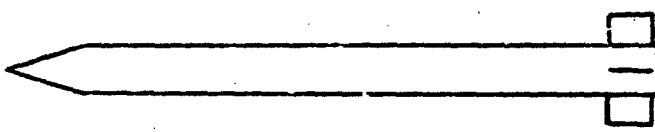
TARGETS LIGHT ARMOR

| | | | |
|---|--|---|--|
| 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 T ₁ incendiary FUZE- Contact, extended probe | | | |
| PICTORIAL | | | |
|  | |  | |
| END VIEW | | SIDE VIEW | |
| EMPLOYMENT OPTIONS | | | |
| DISPENSERS TMD HAMMER MRASM BOSS | | | |
| AIRCRAFT A-10 A-7 NUMBER DEPENDS F-16 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 | |

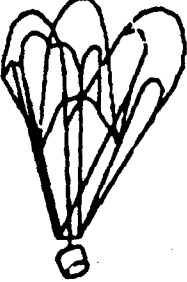
TARGETS: ARMORED VEHICLES

| | |
|---|----------|
| NOMENCLATURE | NAME HVM |
| WEAPON CHARACTERISTICS | |
| WEIGHT-40-45 LBS. LENGTH-85 IN DIAMETER-4 Ø 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 | |

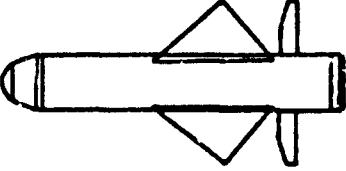
TARGETS. RUNWAYS

| | |
|--|----------|
| 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- | |

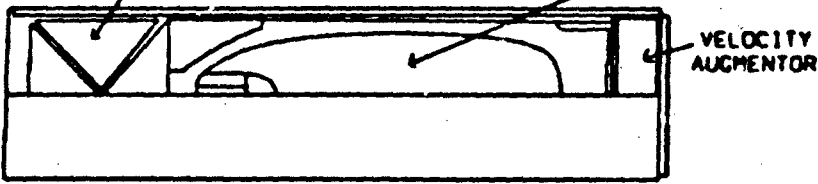
TARGETS ARMOR

| | |
|--|-------------|
| NOMENCLATURE | NAME SADARM |
| <p data-bbox="404 482 864 515">WEAPON CHARACTERISTICS</p> <p data-bbox="404 522 921 776">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</p> | |
| <p data-bbox="404 825 604 858">PICTORIAL</p>  | |
| <p data-bbox="404 1128 777 1161">EMPLOYMENT OPTIONS</p> <p data-bbox="404 1190 678 1285">DISPENSER SUU-05/B (40) SAW</p> <p data-bbox="395 1555 887 1709">PROGRAM MANAGEMENT CONTRACTOR-HONEYWELL UNIT COST- STATUS-TERMINATED NEXT EVENT- REFERENCE- ARMY MLRS OFFICE</p> | |

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 | | |
|  | | |
| EMPLOYMENT OPTIONS | | |
| DISPENSER MRASH (38) HAMMER (TBD) | | |
| PROGRAM MANAGEMENT CONTRACTOR- LAWRENCE LIVERMORE UNIT COST- STATUS- NEXT EVENT- REFERENCE-M CALUDA AVB725375 | | |

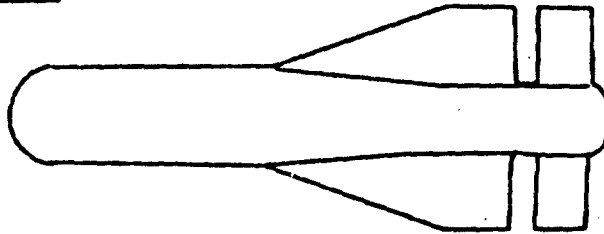
TARGETS ARMOR

| | |
|--------------|-------------------|
| NOMENCLATURE | NAME WASP-MISSILE |
|--------------|-------------------|

WEAPON CHARACTERISTICS

WEIGHT- 120 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)

F-16 (2) A-7 (2)
 F-111 (4) F-4 (2) POOS
 A-10 (2)
 NATO

LAUNCH MODES

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-