

# CENTER OF OUR STRENGTH

Program Executive Office Soldier



## **XM1112 Airburst Non-Lethal Munition**

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**PM Crew Served Weapons**

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# XM1112, Airburst Non Lethal Munition (ANLM)

## DESCRIPTION:

- ANLM is a Non-lethal, low velocity, 40mm flash/bang cartridge which is fired from the M320/M203 Grenade Launchers
- Provides a significant increase in range over current NL capabilities
- Provides a consistent non-lethal effect from 35m to 300m, 400m(O) by utilizing a proximity fuze that initiates approximately 5 meters from target
- User selectable proximity and delay modes
- Acquisition Program of Record currently in EMD phase

## SERVICE INTEREST/ANTICIPATED END USER:

- ARMY, AIR FORCE
- MCOE, MSCoE, CASCOM

## GOVERNMENT POCs:

- Combat Developer - Mr. Steve Howard, MCoE, 706-545-6043, [steven.r.howard8ctr@mail.mil](mailto:steven.r.howard8ctr@mail.mil)
- Material Developer - Pre-MS C: Mr. Percy Mistry, PMSW, 973-724-6283, [percy.mistry@us.army.mil](mailto:percy.mistry@us.army.mil)  
Post MS C: Mr. Ken Schulters, PM-CCS, 973-724-2387, [ken.schulters@us.army.mil](mailto:ken.schulters@us.army.mil)



# XM1112, Airburst Non Lethal Munition (ANLM) Service Requirements

**Mission / Concept of Operation:** Counter-Personnel – Move/Deny/Suppress Individuals

**Service Urgent Need or Service JCIDS Document :** Tactical NL Munition (TNLM) Capability Development Document (CDD) Increment 1

**Proposed JNLWP Portfolio:** CP – Combined Effects Portfolio (Suppress, Move, Deny Access to Individuals)

Requirement (KPP/KSA)	Requirement Description Long Title	Threshold	Objective
KPP 1	Nonlethal Effects	Probability of nle/shot $\geq$ .80	Probability of nle/shot $\geq$ .90
KPP 2	Duration of NL Effects	Duration of $\geq$ 30 sec	Duration of $\geq$ 60 sec
KPP 3	Accuracy	TNLM will function ballistically similar to the current M433 high explosive dual purpose (HEDP) round for the M320 whereby any ballistic difference will not require aim point adjustments to achieve comparable results at operational range.	TNLM will function as a ballistic match to the current M433 HEDP round for the M320.
KPP 4	Reliability	Reliability $\geq$ .95	Reliability $\geq$ .98
KPP 5	Minimum Engagement Range (MER)	MER not greater than 35 meters	MER not greater than 15 meters
KSA	Risk of Significant Injury (RSI)	RSI is remote at <10% (T)	RSI is improbable at <1% (O)

# **XM1112, Airburst Non Lethal Munition (ANLM)**

## **DEVELOPMENTAL APPROACH / ACQ STRATEGY:**

- Complete engineering integration test, produce hardware /conduct Developmental Testing (DT)/Limited Objective Experiment, achieve MS C/TC, transition to PM-CCS, full and open competition planned with government owned TDP

## **ACCOMPLISHMENTS:**

- Completed fuze and warhead component level testing, resolved projectile stopping and circuit board quality issues, completed initial integration test

## **CURRENT PERFORMERS:**

PMSW, PMCCS, ARDEC – Picatinny NJ, ANSEC – FLW, MO, MCoE – Ft. Benning GA, USAF, HECOIE – Brooks AFB, TX, Aberdeen Test Center – MD, SAVIT – Rockaway, NJ, Indiana Ordnance – Connersville, IN

## **FISCAL YEAR OBJECTIVES:**

- Complete Integration test, start DT

## **ANTICIPATED CONTRACTING ACTIONS:**

- FY14 – market survey and section 806 review will determine restrictions, if applicable
- Basic award with options planned
- Best Value, full and open competition planned with government owned TDP

**Current Technology Readiness Level (TRL): 7**

**Current Human Effects Readiness Level (HERL): 6**

# XM1112, Airburst Non Lethal Munition (ANLM)

## Overall Schedule

Task, Milestone, or Deliverable	FY09				FY10				FY11				FY12				FY13			
	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4	1	2	3	4
MS B		◆																		
Cartridge/Fuze Contract Options	—▲				—▲															
Fuze Subassembly/Warhead Test	—▲				—▲															
Component Integration (55 & 225)									▲	—	—	▲								
Critical Design Review															◆					
DT/LOE/Fuze Qual.														▲	—	▲				
MS C Package																	▲	—	—	▲
MS C/TC																				◆