

## XM1022 Long-Range Sniper Ammunition

### Executive Summary

- The Army completed LFT&E of the XM1022 Long-Range Sniper Ammunition in FY07.
- The XM1022 exhibited significant wounding potential and the ability to defeat personnel body armor at desired ranges.

### System

- The Army initiated the XM1022 program to develop .50 caliber sniper ammunition with increased accuracy over the currently fielded Mk 211 multi-purpose armor piercing round.
- Because the XM1022 is not a dud-producing round and is less expensive than currently fielded .50-caliber ammunition, it may also serve as training ammunition.
- The XM1022 cartridge consists of a 650-grain projectile loaded into a standard M33 .50 caliber cartridge case.
- The XM1022 is intended for use with the M107 Long-Range Sniper Rifle.

### Mission

- Snipers will employ XM1022 Long-Range Sniper Ammunition at extended ranges against enemy personnel.
- In the event other ammunition types (i.e., armor-piercing) are not available, snipers will employ the XM1022 against lightly armored vehicles.

### Activity

- The Army completed LFT&E in FY07.
- During FY08, the manufacturer of the XM1022 changed, resulting in the need for additional developmental and pre-production qualification testing (PPQT). The Army will continue that testing into 2QFY09.
- Following PPQT, a first article test will verify whether the projectiles from the new manufacturer meet the performance specification.
- Based upon first article test results, the lethality Integrated Product Team will decide if additional lethality testing is warranted, which would be the case if there exists the possibility of a significant change in lethality.



### Prime Contractor

- Alliant-Techsystems

### Assessment

- The XM1022 is lethal against its intended targets.
- The XM1022 demonstrated significant wounding potential, the ability to perforate personnel body armor, and anti-material capability beyond its requirement.

### Recommendations

- Status of Previous Recommendations. There are no previous recommendations.
- FY08 Recommendation.
  1. The program manager should complete developmental, PPQT, and first article testing and convene the lethality Integrated Product Team to review the data.

# ARMY PROGRAMS