

SELECTABLE EFFECTS MUNITION



Integrating a precision height-of-burst proximity sensor that includes true ground discrimination with precision weapon guidance to enable low collateral damage



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KEY FEATURES

- Integrated semi-active laser (SAL) guidance and radar height-of-burst (HOB) sensors
- Enables forward firing fragmentation selectable effects
- Precision guidance against mobile & stationary ground targets
- Foliage penetration and precision HOB
- Supports urban operations
- Minimizes collateral damage



BACKGROUND

Weapons with lower collateral damage are required both to allow operations closer to the warfighter and to reduce threats to civilians.

DESCRIPTION

The Selectable Effects Munition (SEM) integrates the technologies of the Fuze Air-to-Surface Technology (FAST) sensor that includes precision selectable height-of-burst and true ground profiling in urban canyons and under foliage with precision delivery weapons. SEM provides a lethal footprint defined by the weapon's precision HOB and forward firing fragmentation to minimize collateral damage. The SEM HOB Sensor leverages the proven performance of Mustang's lineage of FAST proximity sensors.

This radar is developed with Mustang's proven Product Development Process that uses a unique combination of innovative radar architectures, sophisticated algorithms and commercially available components to develop high-performance, low-cost radars that withstand harsh military environments.

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