

SM-47S

Air Defense Fighter

A Supermaneuverable Air Defense Fighter (ADF), the SM-47S will be an affordable Mach 1.8 plus, single-seat combat aircraft. With canard foreplanes, an aerolastically tailored Forward Swept Wing, twin vertical stabilizers and a conventional horizontal tail, the SM-47 will have the capability to meet all foreseeable operational demands anticipated by the world's air forces.

Enabling warfighters to perform their mission to the utmost of their ability, the SM-47 will be powered by a single GEAE F414 Enhanced Performance Engine. With a higher thrust-to-weight ratio than any fighter in its class, the SM-47S will combine integrated avionics, digital flight controls, and an advanced EW suite with 11-g maneuverability. With optional AESA radar, axisymmetric thrust vectoring and reduced signature features, the SM-47 is BVR intercept capable with a 760 nm tactical radius on internal fuel.

Offering a low operating and support cost and a high degree of commonality with front-line F/A-18 and F-16 fighters, the SM-47 will be offered at a flyaway cost of \$22 to \$30 million, depending on configuration. Now under development, the SM-47S will enter production in 2015-2017.

SUPER MACHETE ADF