

# JOINT AIR-TO-SURFACE STANDOFF MISSILE (JASSM)

JASSM is a low observable, highly survivable, air-launched cruise missile that will provide the warfighter a conventional, long-range, "launch and leave" precision-guided weapon system capable of operating in adverse weather. JASSM will put heavily defended, high value, time-sensitive targets at risk while minimizing aircrew and launch platform exposure to enemy air defense systems. It will have a range of 100+ nautical miles and carry a 1,000 pound class unitary warhead. The first aircraft to carry JASSM will be the B-52H, F-16C/D and F/A-18E/F. Future integration is planned for the B-1, B-2, F-15E, F-117, F/A-18C/D, P-3, S-3, and Joint Strike Fighter.

## Operational Requirements

- Standoff weapon for long range interdiction against fixed and relocatable targets
- Three key performance parameters
  - Standoff range
  - Missile mission effectiveness defined as the number of missiles required to damage a specified target set in a specified threat laydown
  - Carrier operability
- Emphasis on affordability—Average Unit Procurement Price
- Threshold \$700K/missile
- Objective \$400K/missile

## Program Status

- Most aggressive example of acquisition reform to date
- Extensive communication with both industry and using Commands
  - 119-page Request for Proposal with no MIL STDs mandated
  - Oral technical proposal on video—total proposal 320-page maximum
  - Equal selection weight on contractor's proposal and past performance
  - 45-day Source Selection by Government
- Air Force and Navy Joint Program Office at Eglin AFB, FL
- Focus on cost as an independent variable (CAIV) and is a CAIV Flagship Program

- Reached Milestone I on 11 Jun 96
- On 17 Jun 96 the Air Force & Navy selected McDonnell Douglas and Lockheed Martin for the 25½ month Program Definition & Risk Reduction (PDRR) Phase
  - McDonnell Douglas Corporation, a wholly owned subsidiary of The Boeing Company, received a \$125M contract, while Lockheed Martin received a \$110M award
  - Contractors are pursuing independent designs and are working numerous trade studies to keep unit costs low
  - Downselect to one Contractor in Jul 98 to complete engineering, manufacturing & development and produce a minimum of 2400 missiles
- Operational Requirements Document updated by Air Force & Navy 20 Mar 97
- Milestone II will occur Jul 98

### Key Leaders' Quotes

*"Our versatile fighters and long-range bombers also offer the nation a strong, credible, conventional deterrent. Their conventional munitions can stop an aggressor in his tracks. Our bombers can employ while other forces are still deploying. Conventional upgrades to our bomber force combined with the acquisition of a family of smart munitions, ...Joint Air-to-Surface Stand-off Missile (JASSM) will enable our forces to attack a variety of targets anywhere in the world, day or night, in good weather or bad, within hours of tasking."*

Dr. Sheila E. Widnall  
Secretary of the Air Force

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*"What we really need for the future is a family of low-cost, autonomous, standoff weapons. These weapons will leverage the high quality information that will be available so that we can effectively employ them against the enemy's vital centers. We need these standoff weapons because of the sunk investments we already have in existing non-stealthy aircraft in our force structure. We've got to be able to attack targets from outside the range of sophisticated air defenses that are proliferating around the world. We can't afford to go to war with munitions that cost \$1 to \$2 million a shot. You can get an adversary's attention by using a few of these expensive weapons, but you can't afford to conduct an air campaign with them."*

Gen. Ronald R. Fogleman  
U.S Air Force Chief of Staff

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