Air Launched Multi-Mission Air Vehicle

Accurate Automation Corporation performed airframe, propulsion, avionics, flight control, captive carriage/launch, payload, payload support and manufacturing trade studies to produce a conceptual design of an air launched UAV.

AAC evaluated unique conceptual alternatives including an enhanced turbojet engine, a COTS data acquisition/flight control computer, an adaptive flight control system, a multi-vehicle carriage system, and an advanced signature generation and jamming system.
Applications

- Designed for air launch from:
  - B-52
  - FA-18
  - F-16
- Mission Roles Include:
  - Decoy
  - Electronic Warfare
  - Ground Strike
- Proposed Guidance and Control Technology from ALAMM has been incorporated into the Sentinel USV
- Designed for autonomous, multi-ship flight

Specifications

Vehicle Length       96 in  
Wing Span           55.2 in  
Vehicle Weight      183 lb / 210 lb  
Cruise Speed        Mach .9  
Payload             28 lb / 50 lb  
Power Plant         AT-1500/AT-1700  
Launch Altitude     35,000 ft max  
Endurance           1 hour

Developed under SBIR funding from the U.S. Air Force.

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