



ASRAAM is in service with the UK Royal Air Force as its Within Visual Range (WVR) dominance weapon. The weapon is also in operational service with the Royal Australian Air Force on its F/A-18 Hornet.

In WVR air combat, the ability to strike first is vital. A pilot engaging an enemy needs a missile that reacts more rapidly than ever before with the speed and agility to maximise the probability of a kill, regardless of evasive target manoeuvres or the deployment of countermeasures. ASRAAM has proven this capability.

ASRAAM accepts target information via the aircraft sensors, such as the radar or helmet mounted sight but can also act as an autonomous infrared search and track system.

The RAAF has demonstrated successful 'over the shoulder' firing in Lock On After Launch (LOAL) mode against target drones that were behind the wing-line of the launch aircraft.

Already fully integrated with proven reliability on Eurofighter Typhoon, Tornado and F/A-18, ASRAAM is also being integrated onto the F-35 Lightning II.

Proven capability has been demonstrated by firings from a range of aircraft, including: F-16, F/A-18, Tornado F3, Tornado GR4 and Typhoon aircraft.

#### **Launch**

- Instantaneous cueing from radar or helmet sight
- All round target designation
- Instant response to trigger press

#### **ASRAAM gets the first shot**

#### **Intercept**

- Highest speed
- Unrivalled sustained aerodynamic manoeuvrability
- Accurate and predictive tracking
- Minimal drag airframe design with small fins and no canards

#### **ASRAAM gets the quickest intercept**

#### **Destroy**

- Outstanding resistance to countermeasures
- Highly effective warhead
- High precision tracking

#### **ASRAAM gets the first kill**

- **Redefines WVR combat**
- **First shot**
- **First intercept**
- **First kill**

**ASRAAM**  
WITHIN VISUAL RANGE  
AIR DOMINANCE WEAPON

**MBDA**  
MISSILE SYSTEMS



## AIR

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### Missile guidance

- Long acquisition range
- Focal plane array seeker

### Cooling System

- Seeker detector cooling
- Self contained cooling engine or argon, nitrogen gases. HiPPAG™ compatible

### Fuzing and Warhead

- Impact and laser proximity fuzes maximise lethality against both large and small targets
- High lethality blast fragmentation warhead

### Rocket Motor

- Low signature
- Outstanding acceleration and range capability
- Quickest intercept
- Large 166 mm (6.5 inches) diameter rocket motor for increased thrust and longer range

### Name

- ASRAAM

### Missile Characteristics

- Weight: 88 kg
- Length: 2.9 m
- Diameter: 166 mm
- Range: In excess of 25 km

