

AIR

# METEOR

## BEYOND VISUAL RANGE AIR-TO-AIR MISSILE (BVRAAM)

Meteor is the next generation Beyond Visual Range Air-to-Air Missile system (BVRAAM) that will totally revolutionise air-to-air combat in the 21st Century. The weapon brings together six nations with a common requirement to defeat the threat of today as well as the emerging threats of the future.

Guided by an advanced active radar seeker, Meteor provides all weather capability to engage a wide variety of targets from agile fast jets to small UAV and cruise missiles. Designed to meet the most stringent requirements to operate in severe clutter and future countermeasure environments, the weapon is also equipped with a two-way data link communication. Aimed at meeting the needs of a network centric environment, Meteor can be operated using third party targeting and third party target engagement, enabling the pilot of tomorrow to have the most flexible weapon system.

Meteor's stunning performance is achieved from its unique propulsion system provided by a solid fuel, variable flow ducted rocket. This 'Ramjet' motor provides the missile with power all the way to target intercept, providing the largest No-Escape Zone of any air-to-air missile system. To ensure total target destruction, the missile is equipped with both proximity and impact fuzes and a fragmentation warhead that detonates at the optimum point to maximise lethality.

Meteor has been developed by a group of European partners led by MBDA to meet the needs of six European nations: the United Kingdom, Germany, Italy, France, Spain and Sweden. The weapon system will equip Eurofighter Typhoon, Rafale and Gripen. It is also compatible with other advanced fighter aircraft and is currently a candidate weapon for the F-35 Lightning II Joint Strike Fighter

- World beating air dominance
- Very large no escape zone - several times that of current MRAAM
- Effective operation in dense electronic warfare environments
- Network enabled capability through two-way data link
- Leading edge technology spread across the six European industrial partner nations
- Candidate for F-35 Lightning II



**MBDA**  
MISSILE SYSTEMS

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## AIR

### Propulsion

- Solid fuel variable flow ducted rocket (ramjet)

### Seeker

- Active radar

### Navigation & Guidance

- Bank-to-turn manoeuvring
- Inertial mid-course with data link
- Autonomous terminal guidance using advanced proportional navigation

### Warhead

- Blast fragmentation

### Fuzes

- Proximity
- Impact

### Name

- METEOR

### Missile characteristics

- Meteor is designed to be fully compatible with existing AIM-120 type rail and eject launcher systems



### MBDA Contacts

Sales and Business Development  
1 avenue Réaumur  
92358 Le Plessis-Robinson cedex - France  
Tel. + (0) 33 1 71 54 10 00  
Fax + (0) 33 1 71 54 00 01  
salesenquiries@mbda-systems.com

[www.mbda-systems.com](http://www.mbda-systems.com)

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