



AASM

*Precision guided weapon
for strike aircraft*



Sagem Défense Sécurité
SAFRAN Group



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Precision guided weapon for strike aircraft



The AASM is a modular air-to-ground weapon designed to be able to neutralise a large range of targets under all conditions. Operational from a stand-off distance, its high accuracy reduces the risk of collateral damage while optimising the number of targets hit per strike, making it a substantial asset for air forces world-wide.



Sagem Défense Sécurité is currently developing the AASM system to be integrated in the Mirage 2000 and Rafale aircrafts.

Architecture

The AASM combines modular architecture and state-of-the-art technologies in navigation and optronics.

The weapon comprises:

- A guidance kit (available in several different versions).
- A range extension kit that includes unfolding wings and a solid rocket motor.
- A 250kg bomb body that is either general purpose (Mk82, BLU-111) or for penetration (CMEMS).
- A fuze and associated safety accessories.

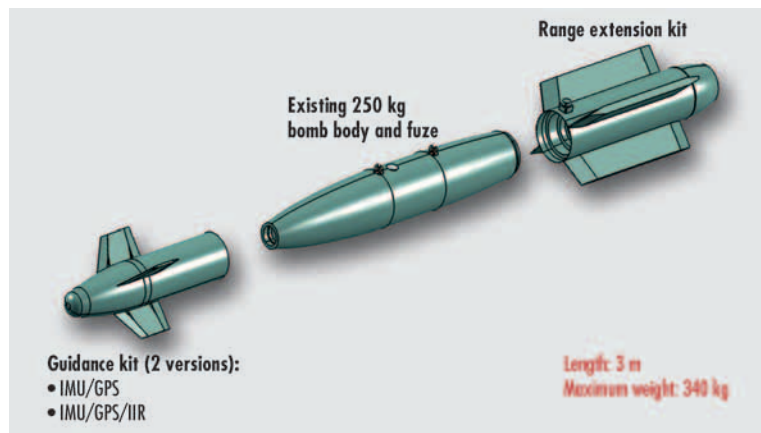
Users may configure the weapon with any of the above bomb bodies and guidance kits in order to meet their operational requirements.

The AASM complies fully with MIL-STD-1553/1760 interfaces and NATO standard suspension lug spacings. It can be loaded on single, twin or triple stores adaptors, allowing for more weapons per aircraft (e.g. six on the Rafale and the Mirage 2000).

Sagem Défense Sécurité designs and manufactures the guidance and range extension kits, plus a light mission planning module that can be stand-alone or integrated in the aircraft mission planning system.

Technical characteristics

- Low-, mid- and high-altitude release
- Ranges exceed 50km for high-altitude release and 15km for low-altitude release
- Large off-boresight firing capability
- Accuracy: 10-metre class (all-weather version)
- 'Fire and forget'
- Multi-target simultaneous attack
- High resistance to GPS unavailability, jamming and target location errors
- Selectable angle of impact on target
- Controlled velocity and angle of attack on impact
- Possible parameter resetting during carriage flight
- Insensitive weapon that can be transported on warships
- Reduced through-lifecycle cost thanks to 'zero-maintenance' concept



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