



MMP

FIFTH GENERATION LAND COMBAT MISSILE SYSTEM

MBDA is currently developing MMP (Missile Moyenne Portée), the medium range, ground combat as a successor to MILAN (the eponymous anti-tank system supplied to over 40 armies around the world). MMP is a fifth generation weapon system responding to the requirements outlined within the French Army's FELIN and SCORPION programmes. FELIN is a programme aimed at developing the necessary equipment for the French infantryman of the future while SCORPION will advance the integration and coordination of the range of equipment deployed by future French ground forces, calling for wide-ranging digitisation and platform interoperability. In this respect, MMP is also relevant to other ground forces around the world that are in the process of preparing for the requirements of the battlefield well into the future.

MMP's entirely new concept takes into consideration the experience gained from recent conflicts, where the need to master the delivery of military effects without collateral damage has been shown to be a major operational requirement.

MMP is man portable (the missile in its tube weighs only 15kg), easy to set up and operate by a two-man team. It is the ideal combat support weapon for the modern soldier who might be called upon to fight either out in the open battlefield or from confined spaces within a complex urban environment. The system can be used either in conjunction with a lightweight, portable digital firing post (weighing only 11kgs, battery included) or alternatively, mounted on a typical armoured vehicle. Its shaped tandem warhead (MMP features a unique selectable charge depending on the intended target) provides lethality at ranges of up to 4km against a wide range of stationary or moving ground targets from bunkers and machine gun posts to tanks equipped with the latest explosive reactive armour (ERA).

Equipped with a non-cooled, dual-mode visible/infrared seeker, MMP is able to engage both hot and cold targets. To ensure operator survivability, MMP's "fire-and-forget" capability allows the operator to fire and disengage immediately without having to wait for the missile to strike its intended target. However, in a complex environment where collateral damage is a concern, MMP's optic fibre link enables MITL (Man-In-The-Loop) operation. Combined with a navigation function integrated within the missile, the optical link via the missile allows for a full NLOS (Non Line Of Sight) operation as well, a function further enhanced within a modern info-centric environment. These are the features that combine to create a true 5th generation combat support weapon.

MMP represents the first missile within a family of ground and air-platform launched surface combat missiles. These missiles will share not only the same airframe diameter but also significant elements of technology in line with MBDA's GMA (General Missile Architecture) strategy, a strategy aimed at reducing both cost and development risk.

Programme status

In December 2013, the French DGA (Direction Générale de l'Armement) notified MBDA of an order for the development and production of the weapon system to equip the French Army as of 2017. In April



Press Information

2014, MBDA demonstrated the firing capabilities of its MMP missile in an operational configuration with a series of test tunnel launches confirming the safety of use of the missile and its firing post. Earlier in 2014, warhead tests confirmed the efficiency of MMP against targets representing latest generation Main Battle Tanks.