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## MBDA LAUNCHES SPEAR DURING FARNBOROUGH 2012

MBDA, Europe's leading missile systems company, is unveiling SPEAR, a new, high precision surface attack weapon for fast combat aircraft at this year's Farnborough International Air Show. SPEAR is the solution being proposed by MBDA to meet the UK Ministry of Defence's (MoD) requirement for a network centric, low collateral damage, multi-target stand off strike weapon for multiple loadout in the internal carriage bay of its future fleet of F-35 Joint Strike Fighter aircraft. With a range out beyond 100km and, high sub-sonic flight, SPEAR is capable of dealing with an extremely broad target set ranging from fast moving manoeuvring vehicles including main battle tanks (MBTs), hardened structures, air defence units and missile launchers to naval vessels. In fulfilling the UK requirement, SPEAR is unique in providing such a range of capabilities in such a high loadout weapon system.

A very compact missile measuring approximately 2m in length, SPEAR features a multi-mode seeker for operations during either day or night operations regardless of weather conditions, a multi-effects warhead and GPS/INS guidance with a data link so that target updates can be transmitted during the missile's flight. The missile's high precision will ensure that it is compliant with increasingly complex and demanding rules of engagement. A turbojet propulsion unit provides the high velocity necessary to strike time sensitive targets before they can inflict damage or take cover. Though not network dependent, SPEAR will be compatible within an NEC (Network Enabled Capability) framework.

Describing SPEAR, Executive Group Director Technical and MBDA UK Managing Director Steve Wadey said: "A weapon like SPEAR is vital for the future multi-role missions of the F-35 because it maximises the network and sensor potential provided by the aircraft and maximises enhanced aircrew survivability in hostile airspace. I also think it to be indispensable for a number of other combat aircraft aspiring to a true multi-role capability. In this respect, and based on extremely enthusiastic feedback from our global customer base, I am very confident that SPEAR has the potential of making a very significant impact on the export market."

SPEAR draws its name from the UK MoD's Selected Precision Effects At Range capability requirements and specifically the Capability 3 requirement. Currently in the Assessment Phase, SPEAR is managed as part of the interim Portfolio Management Agreement (PMA-I) that was signed between MBDA and the UK MoD in March 2010. The PMA enables the UK MoD to contract with MBDA for a range of programmes and is a key means to transform the way MoD and MBDA deliver Complex Weapons capabilities for the UK's armed forces.

### Notes to editors

As well as calling on MBDA to advance work on the SPEAR weapon system for the UK's future F-35 fleet, the partnering agreement, PMA-I signed between MBDA and the UK MoD in March



## Communiqué de Presse

2010, also included an initial contract for MBDA to deliver the Fire Shadow Loitering Munition to the British Army and the Selective Precision Effects at Range Capability 2, Block 1 (this was provided by the Brimstone air-to-ground weapon equipped with a dual mode seeker, highly acclaimed for its performance in Afghanistan and Libya) to the UK RAF's fast jets. These have both been delivered. PMA-I also called for Assessment Phase work on a future local area defence system known as Sea Ceptor for the UK Royal Navy as well as a future helicopter launched anti-surface weapon known as FASGW/ANL which involves cooperation with the French DGA.

With a significant presence in five European countries and within the USA, in 2011 MBDA achieved a turnover of € 3 billion with an order book of € 10.5 billion. With more than 90 armed forces customers in the world, MBDA is a world leader in missiles and missile systems.

MBDA is the only group capable of designing and producing missiles and missile systems that correspond to the full range of current and future operational needs of the three armed forces (land, sea and air). In total, the group offers a range of 45 missile systems and countermeasures products already in operational service and more than 15 others currently in development.

MBDA is jointly owned by BAE SYSTEMS (37.5%), EADS (37.5%) and FINMECCANICA (25%).

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