Flight Tests of SOM-J Expected to Begin in 2017

Roketsan displays a next generation weapon system Stand-Off Missile SOM and its variant for F-35 JSF internal weapon bay Cruise Missile SOM-J at the ongoing Singapore Airshow.

Stand-Off Missile "SOM" is a family of cruise missile, with complex guidance technologies and warheads designed to enhance the air-to-surface warfare capabilities of fighter aircraft. SOM is an autonomous, long range (250 km), low observable, high precision, all weather, air to surface next generation cruise missile to be used against highly defended, anti-access and high value, stationary and moving land/surface (ASuW) targets. Under serial production, SOM is already in the inventory of the Turkish Air Force (TuAF), integrated and certified on the F-4E/2020 and F-16 Block40 fighter aircraft. Roketsan signed a cooperation agreement with Airbus Defence & Space for the integration of SOM on the Eurofighter TYPHOON fighter aircraft and possible future platforms.

Due to the common requirements of Turkish Air Force and JSF (F-35) Program, SOM-J has been offered as an anti-surface cruise missile for newly developed F-35 JSF fighter aircraft. Roketsan and Lockheed Martin Missiles and Fire Control signed the contract for integration of the SOM-J, the JSF variant of the Stand-Off Cruise Missile.

The companies will jointly develop, produce, market and support SOM-J for internal carriage on F-35 aircraft or external carriage on other aircraft. Flight tests of SOM-J expected to begin in first quarter of 2017 from the F-16 Block-40 of Turkish Air Force and the serial production expected to begin in 2018.

Negotiations over SOM and SOM-J are ongoing for the requirements of countries in the GULF region. SOM recently, proved its performance during the trial firings from F-16's in the inventory of Turkish Air Force. SOM is expected to be the second highlight in the region to be deployed on board fighter aircrafts.

HISAR Air Defence Missile

HISAR Air Defence Missile, being indigenously developed by Roketsan in accordance with the requirements of Turkish Armed Forces, has identified critical milestones with confidence.

HİSAR Air Defence Systems with low and medium altitude versions come forward among their peers in terms of technology and performance. 28 years of experience in design, production in both indigenous missile projects and partnered projects; including world leading systems from Stinger to Patriot, with global partners enabling Roketsan for the development of state-of-the-art missiles, ahead of its time.

Equipped with imaging infrared sensor, thrust vector control system, mid-course guidance via data link and dual pulse motor technologies, both missiles are compatible with existing and future NATO systems/standards, providing a great potential of integrality and inter-operability.

Both versions of missiles are highly effective against fixed and rotary wing aircraft, UAVs, cruise missiles and air-to-ground missiles, differing in operational range. System agility in employment of identical and common sub-systems enable a common integration interface, provides a family concept in design and great flexibility in deployment, integration and logistic support. ■

Stand Off Missile SOM-J Configuration

Air to Surface Missile, to be used against heavily defended high value land and sea targets such as SAM sites, exposed aircrafts, strategic assets, C2 centers, naval vessels etc. with its modular design to support the required operational flexibility.

TRL Status: 4 / 5
Warhead: Semi-Armor Piercing
Guidance System: INS / GPS / TRN / IBN / IIR Seeker + ATA
Platform: F-16 Block 40, F-35