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Saab launches the new airborne electronic counter measures dispensing system BOH

Defence and security company Saab, a leading supplier of electronic Warfare self-protection systems, introduces BOH, a new highly effective countermeasures self protection pod for use on any fixed wing aircraft.

BOH is an implementation of the Saab BOL Countermeasures Dispenser System (CMDS) and Compact Integrated Defensive Aids Suite (CIDAS) into the shape of a missile. The BOH is modular and can be arranged in a multitude of configurations.

BOH provides covert sustainable pre-emptive dispensing, missile warning, forward firing of flares and cocktail dispensing. All these capabilities have been incorporated into the form-factor of a missile utilizing the well established AIM-9 Sidewinder and AIM-120 AMRAAM interfaces and characteristics for lean aircraft integration.

“By using the well established interfaces between missiles and launchers, the BOH can be installed in place of a missile on a mission-to-mission basis thus allowing the operator to choose if missiles or additional EW equipment in the BOH form-factor shall be carried. Also a mix of missiles and BOH can be carried”, says Christer Zätterqvist, product manager, Saab’s business area Electronic Defence Systems.

“The simple integration allows a limited number of BOH to be rotated between aircrafts or aircraft types. The operational benefits by carrying BOH are the pre-emptive and advanced forward firing flare capabilities complemented by missile approach warning sensors mounted in the front end. The missile approach warning sensors can be used to automatically trigger dispensing action i.e. auto mode”, Zätterqvist continues.

Long duration pre-emptive dispensing capability

The building blocks are Missile Approach Warning System (MAW), pyrotechnical dispenser, controller and electromechanical dispenser modules. The countermeasures dispensing is characterized by providing long duration pre-emptive dispensing capability with the BOL dispenser as well as forward firing flare capability with the Saab BOP dispenser and it is designed to defeat all modern IR-guided threats.

The dispensers cater for highly effective flare cocktail capability. The dispensing system also caters for highly effective chaff dispensing. BOH is designed to interface with any missile launcher. The mass and centre of gravity properties are similar to those of an AIM-9 Sidewinder missile and aerodynamic properties are similar to those of an AIM-120 AMRAAM missile. The BOH can be integrated with MIL-STD-1553 or RS-485 data links to adapt to other displays and control means. To further simplify integration, wireless technology can be used.

This week a prototype of BOH is on display in Saab’s stand at LIMA 2011, the Langkawi International Maritime and Aerospace Exhibition in Malaysia.



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