Based on the proven RBS 70 Very Short Range Air Defence Missile System, the RBS 70 NG – New Generation – utilises state-of-the-art components and technology to provide a highly integrated and modular air defence system. The core of RBS 70 NG is the new generation sight module with:

- Integrated high resolution thermal imager
- Advanced cueing aids to improve reaction times and target acquisition
- Auto-tracker, aiding the operator during the engagement and increasing the hit probability throughout the missile range
- Improved guidance, further increasing system performance both for manual and auto-tracker engagements
- Built-in video recording for after-action review

The RBS 70 NG is specifically designed to allow for highly flexible deployment options, where the same individual sight may be alternately applied as a man-portable air defence system (MANPADS) and/or as a vehicle integrated air defence system. The system may also be deployed in a fully remote control configuration for long term stationary air defence missions.

The RBS 70 NG sight enhances the capability of the BOLIDE missile by reducing the tracking noise through the implementation of an auto-tracker function. Less noise will result in higher manoeuvrability and higher p-kill against small targets at maximum range.

The new ILS system with Built In Test Equipment (BITE) for subunits in the NG sight and the new software based maintenance program makes NG sight maintenance very easy and cost effective. The RBS 70 NG Maintenance Support Computer (MSC) is a rugged portable PC with dedicated software, and an interface unit. The MSC supports the maintenance technician with maintenance tasks, such as inspections (monthly, yearly), corrective maintenance and administrative tasks. Furthermore, the use of the MSC enhances the availability of the RBS 70 NG system.
RBS 70 NG MODULAR CONCEPT

- The NG sight is a compact integrated guidance unit with integrated Thermal Imager, built-in autotracker and advanced visual cueing aids.

MISILES

- With the new BOLIDE missile the RBS 70 NG system can defeat a wide range of targets, including ground and surface targets.
- BOLIDE has an intercept range of more than 9,000 m and an altitude of more than 5,000 m.

TRAINING EQUIPMENT

- The RBS 70 NG employs a training concept from basic operator training up to co-operative training for the complete air defence unit.

The NG sight has been specifically designed for a high degree of flexibility and modularity. In addition to the MANPADS configuration, the same NG sight unit can also be alternately applied in remotely controlled and vehicle applications. The modular design of the NG sight and the vehicle platform allows for integration into an almost unlimited number of vehicle types and for network integration and remote control.

With its modular concept and state-of-the-art technology the RBS 70 NG provides a highly flexible, scalable and long-term solution to the evolving ground based air defence requirements.

The modular design allows the RBS 70 NG to reuse all existing generations of RBS 70 missiles up to the new BOLIDE 4th generation all-target VSHORAD missile. With the BOLIDE missile the RBS 70 NG provides high effect against the complete threat spectrum, from F/W and R/W Aircraft, down to small targets such as cruise missiles and UAVs, out to a range of more than 9 km and with altitude coverage in excess of 5,000 m.

The combined shaped-charge and prefragmented warhead makes the system uniquely capable of defeating armoured air targets such as attack helicopters and CAS aircraft, as well as armoured ground targets like APCs.

The RBS 70 NG training concept is built around commercially PC-based classroom trainers, which allow for effective basic operator training. Specific training on the engagement procedures is carried out within a few hours.

Outdoor training is performed either with the combat equipment supported by the built-in recording function for after-action review, or by using the simulator.

SYSTEMS FEATURES

- Integrated Thermal Imager
- Built-in auto-tracker
- Visual cueing and target designation
- All target capability (with BOLIDE missile)

TECHNICAL DATA

- Guidance method: Laser beam-riding missile
- Effective range: Up to 9,000 m
- Altitude coverage: 0 – 5,000 m
- Deployment time: 30 sec
- Reloading time: Less than 5 sec (MANPADS)
- Max velocity (BOLIDE): Mach 2

Specifications subject to change without notice.

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