

UPGRADE OF PRWB 9A33BM (SA-8) ANTI-AIRCRAFT MISSILE COMBAT VEHICLE



THE UNITED STATES DEPARTMENT OF DEFENSE AIMS CERTIFICATION of interoperability with NATO MARK XII identification system for the upgraded anti-aircraft missile combat vehicle 9A33BM OSA-P (SA-8) integrated with IFF (SIC-12) system manufactured by Wojskowe Zakłady Uzbrojenia S.A.

Certification No CL 062140501RC – confirmed the accomplishment of the implementation of the latest cryptographic technologies intended for the combat operations and presently in use within NATO on post-soviet missile systems, as well as joint operations of the Wojskowe Zakłady Uzbrojenia S.A. upgraded anti-aircraft missile system OSA-P within defense systems of the Alliance.

EFFECTS OF UPGRADE

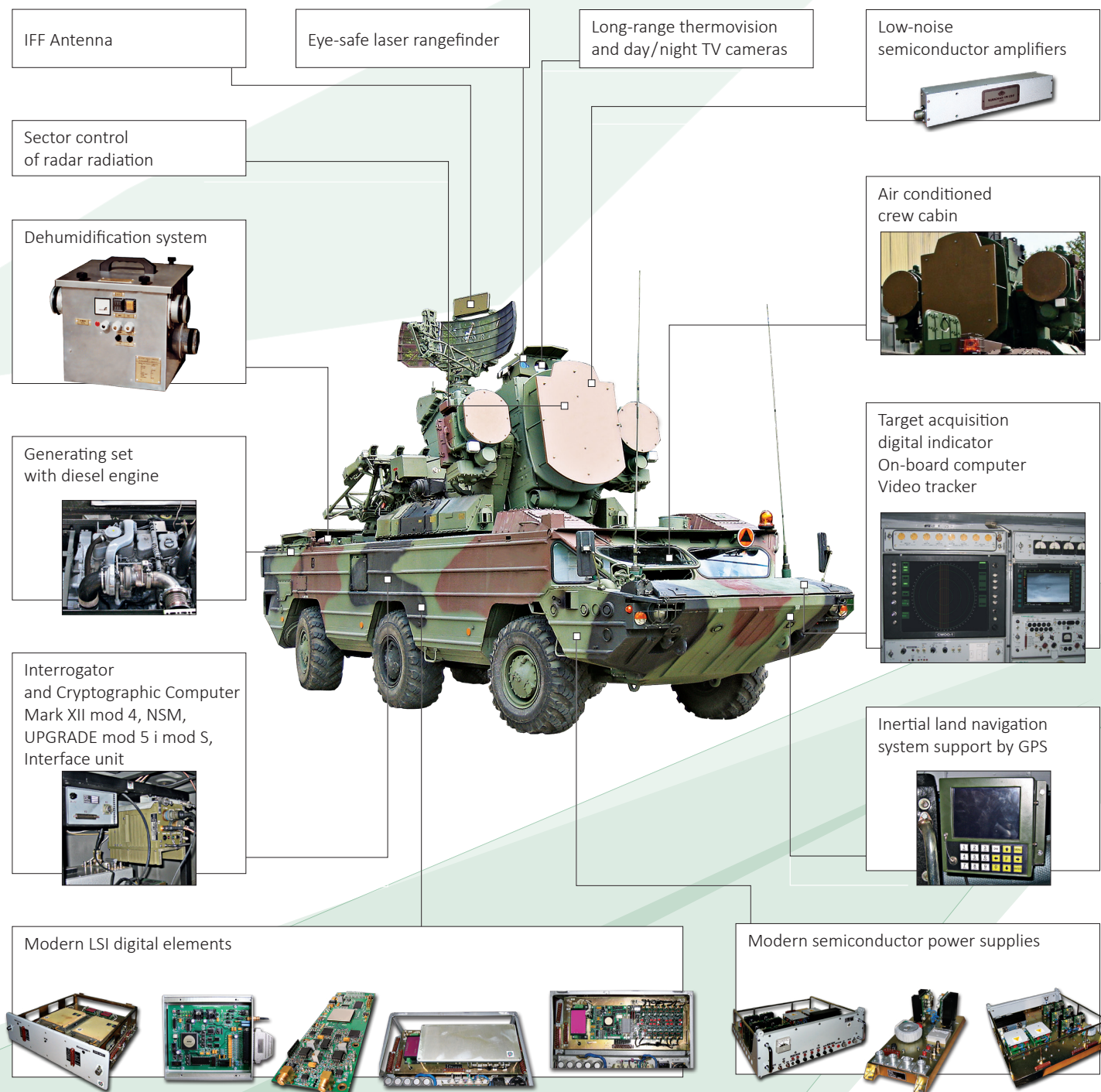
- » increased resistance of the system to passive and active interference,
- » target identification in the Mark XII Mode 4 UPGRADE Mark XIIA Mode 5, Mode S,
- » radioelectronic camouflage by limiting radar radiation to a minimum due to application of passive optoelectronic equipment for target detection and tracking (optoelectronic head and video tracker),
- » introduction of advanced techniques and algorithms for radar signal digital processing and imaging as well as visual picture from the thermovisual and television cameras,
- » increased resistance to radioelectronic jamming thanks to application of digital radar signals analysis system
- » use of advanced parts allowing the supply of replacement parts necessary for normal operations,
- » increased detection of low RCS targets,

- » precise location determination by inertial land navigation system supported by GPS,
- » system growth capability to launch state-of-the-art missiles,
- » elimination of adjustments and tuning,
- » integration of Dehumidification System,
- » air conditioned crew cabin.

The research and development works were performed under 50 / BO Special Purpose Project funded by the Committee of Scientific Research in the years 2001 / 2003.

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SCOPE OF UPGRADE



AWARDS

DEFENDER Award granted at the 13th International Defence Industry Exhibition for the upgrade of the Anti-Aircraft Missile Combat Vehicle PRWB 9A33BM2 and M3 OSA-P (SA-8).