

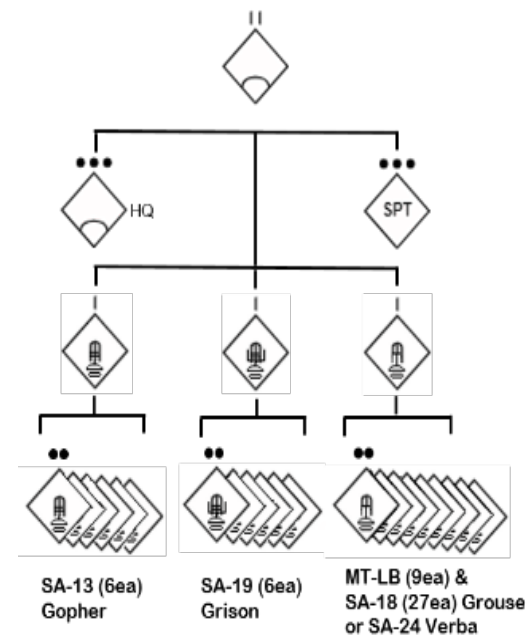
(U) RUSSIA: MOTORIZED (MECH) AND TANK BRIGADE AIR DEFENSE OPERATIONS



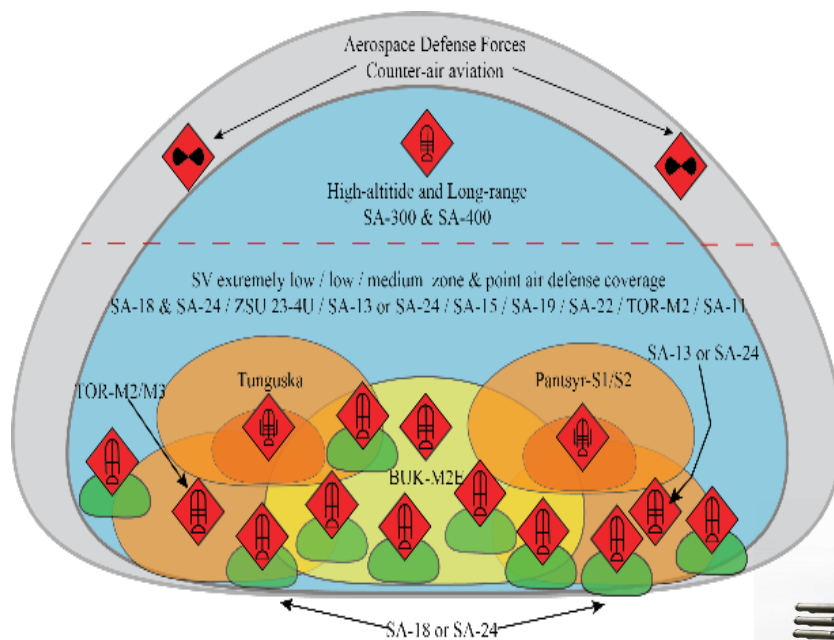
(U) This infographic describes Russian army motorized (mech) and tank brigade ground-based air defense operations. Integrated air defense complex (IADS) is a key feature in the Russian military. It is designed to provide overlapping coverage to keep the aggressors airpower at a distance. Recognizing that the US/NATO relies on airpower to deliver close, deep precision strikes that enable successful ground maneuver, IADS at the tactical level is intended to deprive the aggressor of regular close air support during the ground battle.

(U) INTEGRATED AIR DEFENSE COMPLEXES (NOT TO SCALE)

(U) RUSSIAN AIR DEFENSE MISSILE-ARTILLERY BATTALION

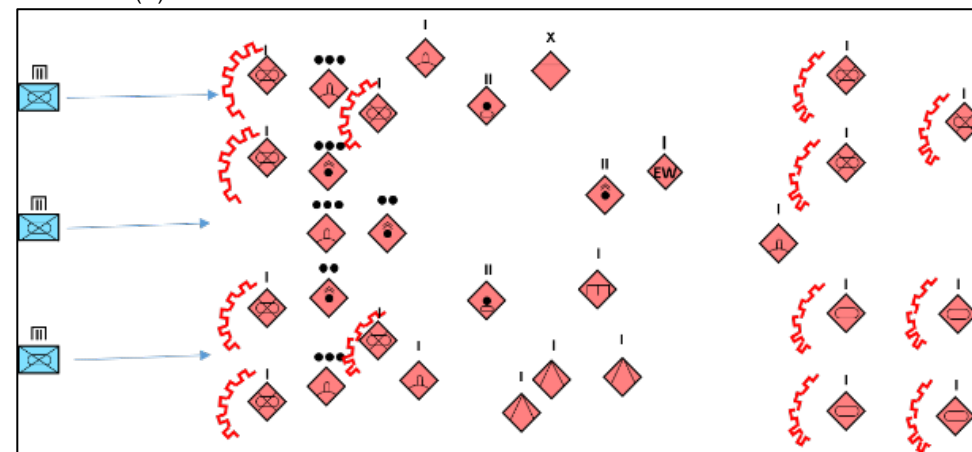


(U) The air defense missile-artillery battalion is organized with three battery subunits as well as a support platoon.
 Missile (SA-13 or SA-24) – Six air defense complexes
 Missile-artillery (SA-19) – Six air defense complexes
 Missile MANPADS (SA-18/24/25) – Twenty-seven man-portable launchers.



(U) Motorized (Mech) and Tank brigades have organic air defense units and subunits that provide tactical level IADS. Each brigade has one anti-aircraft missile-artillery battalion and one anti-aircraft missile battalion. The commander allocates air defense subunits to each maneuver battalion and the brigade artillery group (BrAG) based on forces and means calculations from his plan.

(U) POSITIONS OF AIR DEFENSE IN A MOTORIZED RIFLE BRIGADE IN THE DEFENSE



The Pantsir-S1 (SA-22 Greyhound NATO code name) is an air defense missile-gun system designed for the protection of troops and military installations against precision-guided air attack from low and extremely low altitudes.



2K22M Tunguska-M; SA-19 tracked self-propelled anti-aircraft weapon armed with surface-to-air gun and missile system.