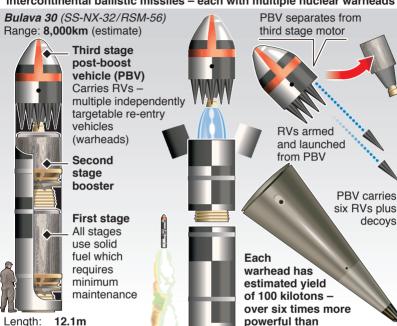
Russia's new generation nuclear arsenal

The first of a new fleet of eight Russian ballistic missile submarines is due to enter service. Each boat will carry up to 16 Bulava ICBMs -

intercontinental ballistic missiles - each with multiple nuclear warheads



Diameter: 2.1m

K-535 Yuri Dolaoruki Borei class submarine

Speed, surface: 15 knots

Submerged:

29 knots

Crew: 107-130, including 55 officers Length: 170m, beam: 13.5m Six 533mm

Hiroshima bomb

torpedo tubes

Propulsion: Pressurized water reactor drives pump-jet propulsion system. Lower risk of cavitation reduces sonar signature

Armament: 16 submarine-launched ballistic missiles (SLBMs), plus SS-N-15 nuclear-tipped missiles fired from torpedo tubes. Range: 45km