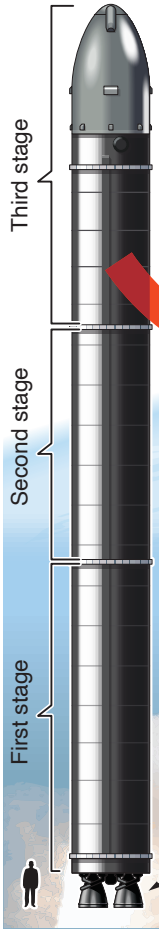
Russia to deploy new Sarmat nuclear missile

Russia is set to deploy its nuclear-capable Sarmat intercontinental ballistic missile (ICBM) by the end of the year, a system President Putin has described as "the most powerful missile in the world"



RS-28 SARMAT
(SS-X-30 Satan 2)

Basing: **Silo-based**
Length: **35.3 metres**
Diameter: **3 metres**
Weight: **208.1 tonnes**

Max payload: 10 tonnes or 10-15 ***MIRV*** (Multiple Independently Targetable re-entry Vehicles)

Each MIRV, which can be aimed at different targets, has explosive yield of up to 750 kilotons. ***Hiroshima atomic bomb was around 15 kilotons***

Max range:
35,000km (Putin claim) –
18,000km (Western analysts)

Both cited ranges are more than enough to hit any city in U.S. from Russian territory

Propulsion:
PDU-99 liquid-fuelled rocket engine, derived from RD-274 engine

Sarmat can reportedly deliver ***Avangard hypersonic glide vehicle (HGV)***, capable of manoeuvring sharply outside rocket's trajectory at up to 27 times the speed of sound (around 34,000 km/h)

Sources: Reuters, Global Security, CSIS, Interfax

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