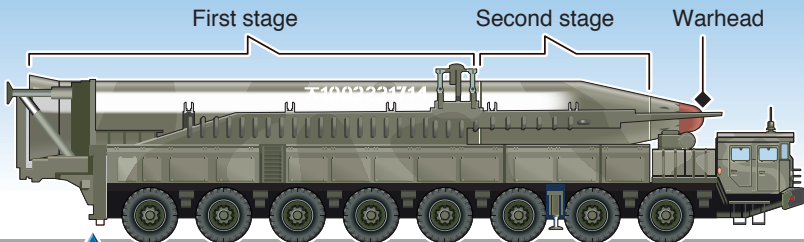


North Korea's quest for an ICBM

South Korean military report that North Korea has placed what appear to be two intercontinental ballistic missiles (ICBMs) on mobile launchers. The country has never successfully launched an ICBM

Hwasong-14, KN-14: Previously seen only in mock-up form



ICBM could be fired from 16-wheel transporter erector launcher (TEL)

Hwasong-14:
Height 17-18m

Hwasong-10, Musudan: Height 12m.

2016: Eight test launches of single-stage intermediate-range ballistic missile (IRBM).

Apr 15: First known test launch fails

Apr 28: Twin launches fail

May 31: Launch fails

Jun 21: Two launches – one fails, one successful, flies to 1,000km altitude

Oct 15: Test launch fails

Oct 20: Missile explodes shortly after liftoff

4D10 engine: Originally designed and built for Soviet R-27 submarine-launched ballistic missile (SLBM)

Apr 9, 2016: North Korea tests “high-power engine,” believed to be cluster of two 4D10 engines suitable for ICBM

Plume colour: Indicates fuel is unsymmetrical dimethyl hydrazine (UDMH) and either fuming nitric acid, or dinitrogen tetroxide as oxidizer

