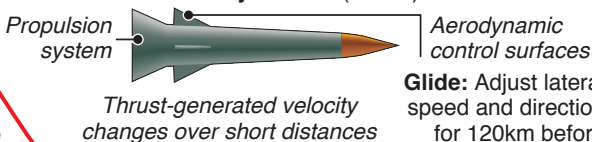


North Korea fires hypersonic missile

North Korea has launched a hypersonic missile – flying at over Mach 3 – that successfully hit its target 700km away, according to reports

HYPERSONIC BOOST-GLIDE FLIGHT

Manoeuvrable Reentry Vehicle (MaRV)



Glide: Adjust lateral speed and direction for 120km before hitting target

Boost:
To upper atmosphere

Hypersonic gliding warhead

Glide-jump

700km

Velocity:
Mach 3-10

120km

Low altitude flight to avoid radar detection and continual manoeuvring to evade anti-missile defences

Liquid propellant rocket engine

Radar detection point

ICBM flight*

Launch site

Radar limit

Radar detection point

Target

Hwasong-8

Hypersonic glide vehicle tested Sep 2021

