

# North Korea's "new" submarine

North Korea has offered the first glimpse of its "new" diesel-electric ballistic missile submarine, or SSB. Official state media shows premier Kim Jong-un inspecting a modified Soviet-era Romeo-class boat

## Romeo-class SSB

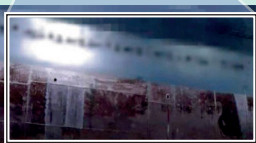
Length: 76m  
Shrouded propellers on each side of hull

Enlarged topside: Supports larger sail for launch tubes

Armament: Six bow-facing 533mm torpedo tubes

Jul 23: Picture shows Kim Jong-un inspecting submarine at Sinpo Shipyard.

Government censors blur out rear portion of sail, suggesting that this is where one or more tubes for submarine-launched ballistic missiles (SLBMs) are located



## Pukguksong (KN-11)

Length: 9.3m  
Payload: 650kg  
Propulsion: Two-stage, solid propellant  
Range: 1,200km

1. Cold launch: Missile expelled from silo by compressed air
2. Solid fuel engine ignites above water

