

Japan may shoot down North Korea rocket

Japan is preparing for North Korea's planned satellite launch, which it believes could be a ballistic missile test. Tokyo warns that it could shoot down the rocket after Pyongyang said it would fly over Japan and designated a "danger" zone off the country's coast

Experts believe satellite launch is disguise for test of **Taepodong-2**, North Korea's longest-range missile

Danger zone 1
Rocket first stage due to fall within 120km of Japan

Danger zone 2
Midway between Japan and Hawaii

500km
300 miles

Sea of Okhotsk

CHINA

RUSSIA

NORTH KOREA

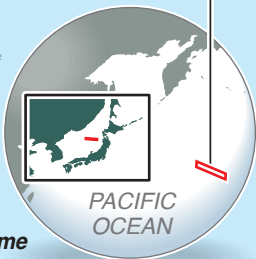
Sea of Japan (East Sea)

SOUTH KOREA

JAPAN
Tokyo

East China Sea

PAC-3 missile



PACIFIC OCEAN

ANTI-MISSILE DEFENCE: Japan is expected to move PAC-3 land-to-air missiles from Tokyo to coastal region

Launcher carries 16 PAC-3 canisters

◆ **Radome**

◆ **Ka-band seeker:** 35GHz radar

◆ **Terminal control:** 180 solid fuel motors

◆ **Guidance system**

◆ **Lethality enhancer:** 73kg high-explosive fragmentation warhead to destroy missiles

◆ **Solid fuel rocket motor:**
Speed up to Mach 5, range 15km

◆ **Fixed fins**

◆ **Moving control fins**



Rotates at 30rpm to aid flight control