

World Missile Defense Systems

Survey of World Missile Defense Systems

- Like the threat from air power, the threat from missiles is twofold:
 - Strategic threat on the homeland territory and civilian population.
 - Tactical threat on military assets.
- In Israel this distinction is blurred. Nevertheless, world missile defense systems come in two categories:
 - Tactical - Force protection systems.
 - Strategic - Homeland protection systems.

Color codes: **Operational** ;In development; Notional

World Missile Defense Systems

US Army Tactical Systems



Patriot PAC 3



THAAD



MEADS (US/Ge/It)



World Missile Defense Systems

US Army And European C-RAM Systems



Phalanx B (US)

Oerlikon Skyshield (Eu)



Advanced Tactical Laser

World Missile Defense Systems

US Navy Tactical/Strategic System



AEGIS System with Standard Missile 3 (SM3) Interceptor

World Missile Defense Systems

US Air Force Tactical System



Airborne Laser (ABL)

World Missile Defense Systems

US Strategic Systems

Ground Based Midcourse Defense System (GMDS)



Kinetic Energy Interceptor (KEI)



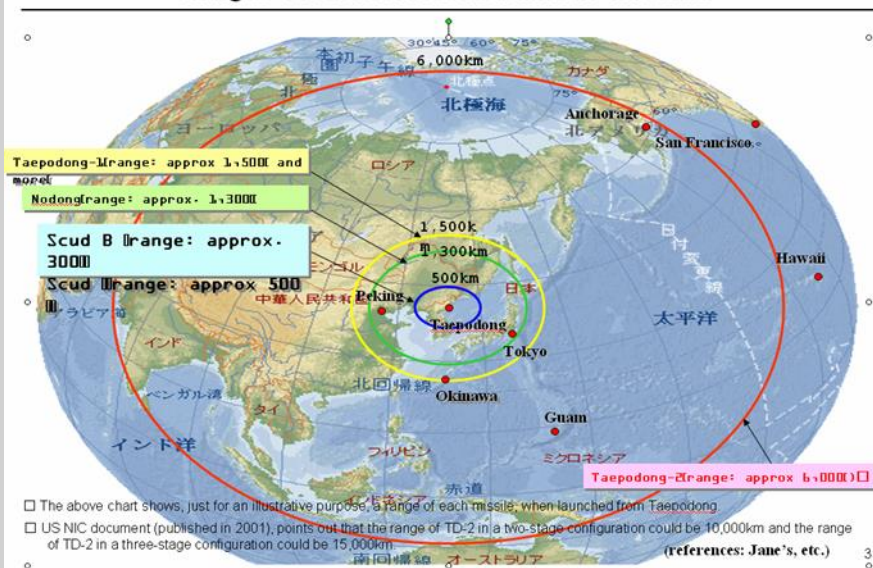
World Missile Defense Systems

Japan Strategic System

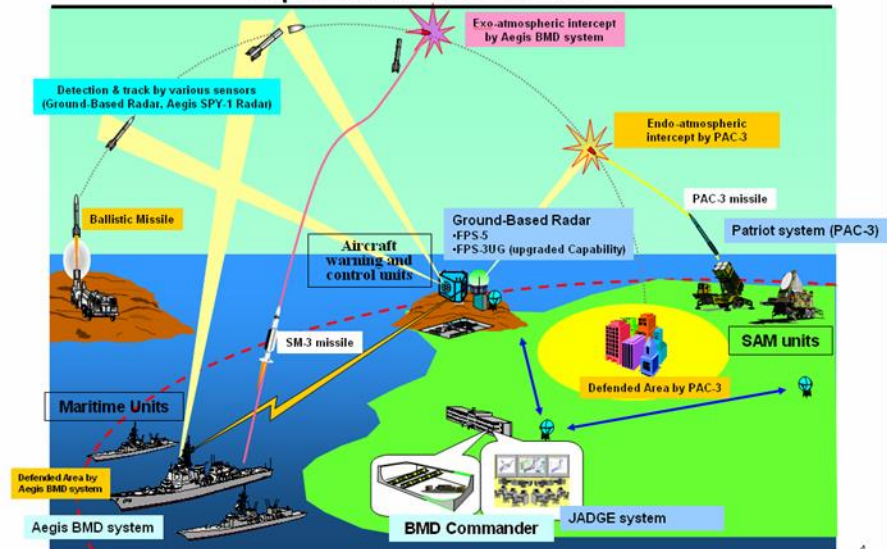
Homeland Combined Missile Defense System

Aegis/SM3 + Patriot PAC 3

Ranges of North Korean ballistic missiles



Japan's BMD Architecture



World Missile Defense Systems



Russia: **S300/S400**



France: **SAMP/T**



India: **Prhitvi AD**



UAE: **THAAD**

World Missile Defense Systems

Israel Strategic/Tactical Systems

Arrow 2

Optimized against medium and long range missiles (“Scuds” and “Shahabs”)



World Missile Defense Systems

Israel Strategic/Tactical Systems

Arrow 3

Optimized against evolved, long range TBM



World Missile Defense Systems

Israel Tactical Systems

“David Sling”

Optimized against heavy and medium rockets, air threats and cruise missiles



World Missile Defense Systems

Israel Tactical Systems

“Iron Dome”

Optimized against light and man portable rockets (“Kassams” and “Katyusha”)



Iron Dome interceptor



Missile Firing Unit

Launcher



FC Radar