



Missile Defense in Okinawa, Japan
November 2016

Air and Missile Threat to Okinawa

- North Korea
 - Scud-B variant short-range ballistic missile
 - Scud-C variant short-range ballistic missile
 - No-Dong medium-range ballistic missile
 - Musudan intermediate-range ballistic missile
 - Polaris-1 submarine launched ballistic missile
 - Five nuclear weapons tests (2 this year)
 - 41 ballistic missile tests this year
- China
 - DF-26 short-range ballistic missile
 - DF-15/M-9 short-range ballistic missile
 - DF-21/21A/21C medium-range ballistic missile
 - DF-21D medium-range ballistic missile
 - DF-26 intermediate-range ballistic missile
 - DF-3 intermediate-range ballistic missile
 - JL-1 submarine launched ballistic missile
 - DH-10/CJ-10 land attack cruise missile
 - CJ-20 land attack cruise missile

Air and Missile Defense in Okinawa

- Patriot Air and Missile Defense Capability
 - U.S. Army Air Defense 1 – 1 Battalion consisting of four Patriot batteries
 - PAC-3
 - Japanese Air Self Defense Force 5th Firing Group consisting of four Patriot batteries
 - PAC-3
- Japanese Ground Self Defense Force units from Air Defense Brigade
 - Type 81 Surface-to-Air Missile (Tan-SAM) for short-range air defense
 - Type 03 Chu-SAM for medium-range air defense
- United States Air Force cruise missile defense capability
 - F-15s
 - F-16s
 - F/A-18s
 - F-22s
 - F-35s
- Japanese Air Self Defense Force Cruise missile defense capability
 - F-15s

Air and Missile Defense Solutions for Okinawa

- New maintenance facilities
- Preventative corrosion treatment on all equipment
- PDB (post-deployment build) 8 modernization
- MSE (missile segment enhancement) interceptors for Patriot
- Interoperability in Patriot with Japan and the United States
- Live fire Patriot exercise with Japan and United States
- Aegis and Patriot integrated testing

- Japan Ground Self Defense Force air defense systems integrated with Japan Air Self Defense Force Patriot systems
- Creation of a U.S. Air Defense Artillery Brigade to command U.S. ADA capability in Japan
- Increased ISR (intelligence, surveillance, reconnaissance) capability fused with Japan, the United States, and South Korea for “left of launch” tactics
- 360-degree land-based radar for early warning, tracking, and cueing
- Overhead sensors