



Fact Sheet

5700 18th Street, Bldg 245
Fort Belvoir, VA 22060-5573

Aegis Ballistic Missile Defense Testing

Since the first intercept test conducted in January 2002, the Missile Defense Agency's Aegis Ballistic Missile Defense element of the Ballistic Missile Defense System has demonstrated 34 successful intercepts.

Aegis Ballistic Missile Defense Test Firing Record

Shaded Areas show tests involving an operationally configured interceptor

| Date | Designation | Guided Missile | Target | Firing Ship | Hit | Miss |
|-----------|-----------------|----------------|--|----------------------|----------------|------|
| 25-Jan-02 | FM-2 | SM-3-0 | Unitary short-range (TTV) | Lake Erie | X | |
| 13-Jun-02 | FM-3 | SM-3-0 | Unitary short-range (TTV) | Lake Erie | X | |
| 21-Nov-02 | FM-4 | SM-3-0 | Unitary short-range (TTV) | Lake Erie | X | |
| 18-Jun-03 | FM-5 | SM-3-0 | Unitary short-range (TTV) | Lake Erie | | X |
| 11-Dec-03 | FM-6 | SM-3-0 | Unitary short-range (TTV) | Lake Erie | X | |
| 24-Feb-05 | FTM-04-1 (FM-7) | SM-3-I | Unitary short-range (TTV) | Lake Erie | X | |
| 17-Nov-05 | FTM-04-2 (FM-8) | SM-3-I | Separating short-range (MRT) | Lake Erie | X | |
| 24-May-06 | Pacific Phoenix | SM-2-IV | Unitary short-range (Lance) | Lake Erie | X | |
| 22-Jun-06 | FTM-10 | SM-3-IA | Separating short-range (MRT) | Shiloh | X | |
| 7-Dec-06 | FTM-11 | N/A | Unitary short-range (TTV) | Lake Erie | No SM-3 launch | |
| 26-Apr-07 | FTM-11 Event 4 | SM-3-IA | Unitary short-range (ARAV-A) | Lake Erie | X | |
| 22-Jun-07 | FTM-12 | SM-3-IA | Separating short-range (MRT) | Decatur | X | |
| 31-Aug-07 | FTM-11a | SM-3 | Classified | Classified | X | |
| 6-Nov-07 | FTM-13 | SM-3-IA | 2 Unitary short-range (ARAV-A) | Lake Erie | X, X | |
| 17-Dec-07 | JFTM-1 | SM-3-IA | Separating short-range (MRT) | JS Kongo (Japan) | X | |
| 5-Jun-08 | FTM-14 | SM-2-IV | Unitary short-range (FMA) | Lake Erie | X | |
| 1-Nov-08 | Pacific Blitz | SM-3-I | 2 Unitary short-range (ARAV-A) | Hamilton, Hopper | X | X |
| 19-Nov-08 | JFTM-2 | SM-3-IA | Separating short-range (MRT) | JS Chokai (Japan) | | X |
| 26-Mar-09 | Stellar Daggers | SM-2-IV | Unitary short-range (Lance) | Benfold | X | |
| 30-Jul-09 | FTM-17 | SM-3-IA | Unitary short-range (ARAV-A) | Hopper | X | |
| 27-Oct-09 | JFTM-3 | SM-3-IA | Separating short-range (MRT) | JS Myoko (Japan) | X | |
| 28-Oct-10 | JFTM-4 | SM-3-IA | Separating short-range (MRT) | JS Kirishima (Japan) | X | |
| 14-Apr-11 | FTM-15 | SM-3-IA | Separating intermediate-range (LV-2) | O'Kane | X | |
| 1-Sep-11 | FTM-16 E2 | SM-3-IB | Separating short-range (ARAV-B) | Lake Erie | | X |
| 9-May-12 | FTM-16 E2a | SM-3-IB | Unitary short-range (ARAV-A) | Lake Erie | X | |
| 26-Jun-12 | FTM-18 | SM-3-IB | Separating short-range (MRT) | Lake Erie | X | |
| 25-Oct-12 | FTI-01 | SM-3-IA | Separating short-range (ARAV-B) | Fitzgerald | | X |
| 12-Feb-13 | FTM-20 | SM-3-IA | Separating medium-range (MRBM-T3) | Lake Erie | X | |
| 15-May-13 | FTM-19 | SM-3-IB | Separating short-range (ARAV-C) | Lake Erie | X | |
| 10-Sep-13 | FTO-01 | SM-3-IA | Sep. medium-range (eMRBM-T1) | Decatur | X | |
| 18-Sep-13 | FTM-21 | SM-3-IB | Separating short-range (ARAV-C++) | Lake Erie | X | |
| 3-Oct-13 | FTM-22 | SM-3-IB | Sep. medium-range (ARAV-TTO-E) | Lake Erie | X | |
| 6-Nov-14 | FTM-25 | SM-3-IB | Separating short-range (ARAV-B) | John Paul Jones | X | |
| 25-Jun-15 | FTO-02 E1 | N/A | Separating medium-range (IRBM T1) | AAMDTC | No SM-3 launch | |
| 28-Jul-15 | MMW E1 | SM-6 Dual I | Unitary short-range (Lance) | John Paul Jones | X | |
| 29-Jul-15 | MMW E2 | SM-2-IV | Unitary short-range (Lance) | John Paul Jones | X | |
| 4-Oct-15 | FTO-02 E2 | N/A | Separating medium-range (eMRBM) | John Paul Jones | No SM-3 launch | |
| 20-Oct-15 | ASD-15 E2 | SM-3-IA | Separating short-range (Terrier Orion) | Ross | X | |
| 1-Nov-15 | FTO-02 E2a | SM-3-IB TU | Separating medium-range (eMRBM) | John Paul Jones | | X |
| 10-Dec-15 | FTO-02 E1a | SM-3-IB TU | Separating medium-range (IRBM T1) | AAMDTC | X | |
| 14-Dec-16 | FTM-27 | SM-6 Dual I | Unitary short-range (Lance) | John Paul Jones | X | |
| 3-Feb-17 | SFTM-01 | SM-3-IIA | Separating medium-range (MRT) | John Paul Jones | X | |

Notes:

- FM-5 – SM-3 Block 0 interceptor divert and attitude control malfunctioned; FTM-11 – Fire-control malfunctioned because of operator error; SM-3 Block IA missile was not launched; Pacific Blitz exercise – One target was intercepted, another was missed due to infrared seeker failure; JFTM-2 – SM-3 Block IA interceptor divert and attitude control malfunctioned; FTM-16 E2 – Third stage rocket motor pulse failure; FTI-01 – Inertial Measurement Unit failure; FTO-02 E2a – Failure review ongoing

Acronyms and Terms:

- **Ballistic Missile Ranges:** Short: <1,000 km; Medium: 1,000-3,000 km; Intermediate: 3,000-5,500 km;

- **Unitary**: Warhead remains attached to booster rocket; **Separating**: Warhead separated from booster rocket; **TTV** – Target Test Vehicle; **MRT** – Medium Range Target; **ARAV** – Aegis Readiness Assessment Vehicle; **FMA**: Foreign Material Acquisition; **LV-2** – Launch Vehicle-2; **IRBM** – Intermediate Range Ballistic Missile; **eMRBM** – Extended Medium Range Ballistic Missile; **AAMDTC** – Aegis Ashore Missile Defense Test Complex