



Grumman EA-6B Prowler



EA-6B General Characteristics

- Primary Function: Electronic Attack (electronic countermeasures)
- Contractor: Northrop Grumman Systems Corporation
- First Flight: May 25, 1968; Operational Capability: July 1971
- Propulsion: Two Pratt & Whitney J52-P408 engines (10,400 lbs thrust each)
- Length: 59 ft, 10 in, Height: 16 ft, 8 in, Wingspan: 53 ft
- Wing area: 528.9 sq ft
- Weight: Maximum Take Off Gross Weight: 61,500 lbs, Empty: 31,160 lb
- Airspeed: 566 Kts+ (651 mph)
- Ceiling: 37,600 ft
- Range: 1,000 nm+ (1,150 mi)
- Crew: 4, Pilot and three electronic countermeasures officers (ECMOs)

A Short Prowler History

- Derivative of the A-6 Intruder (EA-6A)
- EA-6B first deployed in 1972, directly into combat and was still in service with the U.S. Navy and Marine Corps over forty years later
- While no Prowler has ever been lost in combat, fifty of the 170 built were destroyed in various accidents, 44 crew members lost
- Five major system capability improvements
- Last Navy squadron transitioned to the EA-18G Growler in 2015, last USMC squadron deployed in 2018, disestablished in 2019



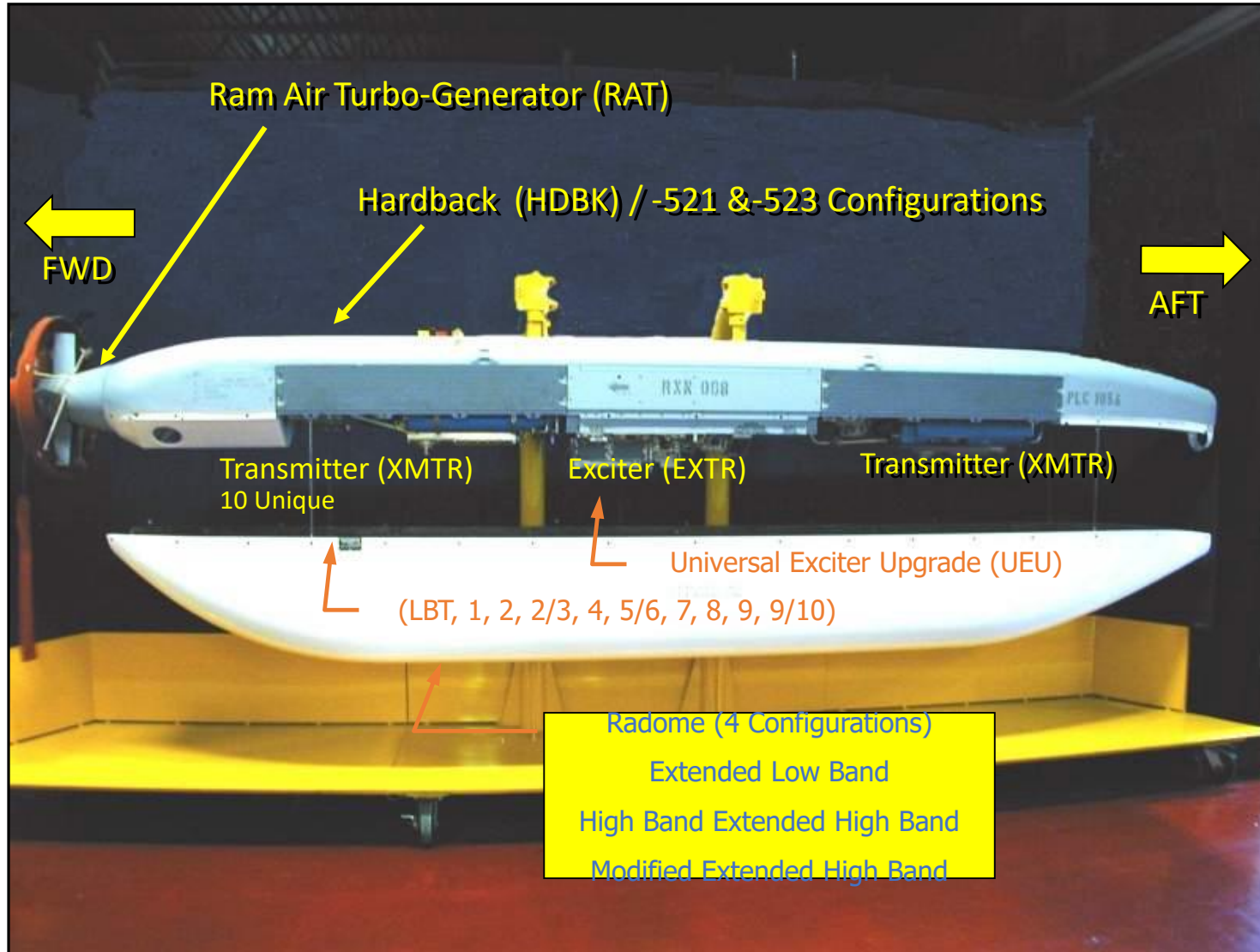
EA-6B ICAP III

EA-6B ICAP III Installation

The diagram illustrates the installation of various electronic components on an EA-6B Prowler aircraft. The aircraft is shown in flight, with a central image of the fuselage and two inset images of the cockpit interiors. The components are arranged around the aircraft, with labels and small images of each part. The components include:

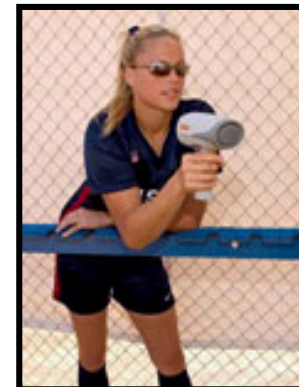
- WRA-10 Pwr Supply**: Power supply unit.
- WRA-5 Ant Interface Unit**: Antenna interface unit.
- WRA-3/4 Ant/Pre-selector (2)**: Two antenna pre-selector units.
- Matt Block III**: A large electronic module.
- Fwd Cockpit Pilot/ECMO TDS**: Cockpit display for the forward pilot.
- HARM Control Panel 2.0**: Control panel for HARM operations.
- WRA-2 Preselector**: Pre-selector unit.
- WRA-6 Channelizer**: Channelizer unit.
- AU-11(2)**: Two antenna units.
- AU-4 LBI**: Low Bandwidth Interference (LBI) unit.
- MIDS-LVT and RPS**: MIDS-LVT and RPS unit.
- AU-1 Fwd ESBI**: Forward ESBI unit.
- AU-12**: Antenna unit.
- WRA-1 Ant/Pre-selector**: Antenna pre-selector unit.
- WRA-8 Aux Recv**: Auxiliary receiver unit.
- WRA-7 Processor**: Processor unit.
- AU-7 LBI**: LBI unit.
- WRA-9 Pwr Supply**: Power supply unit.
- Modified ARN-84**: Modified ARN-84 unit.
- Aft Cockpit ECMO TDS, TDSIU**: Cockpit display for the aft pilot.
- AU-2/3 LBI (2)**: Two LBI units.

ALQ-99 TJS Transmitters



Electronic Attack—What is it?

While modern IADS will continue to be an important focus...



...Ground Force Support (Combined Arms)

- Assisting ground scheme of maneuver
- EW Close Air Support (EW CAS)
- COMMs EA
- Non-traditional target sets

Questions?

