



# Commander, Naval Surface Force, Atlantic

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U.S. NAVY



**USS BARRY (DDG 52)**  
Guided Missile Destroyer  
Homeport: Norfolk, Virginia  
www.barry.navy.mil



USS BARRY's mission is to conduct prompt, sustained combat operations at sea, in support of national policy. She is equipped to operate in a high-density, multi-threat environment as an integral member of a carrier battle group or Surface Action Group (SAG).

In addition to the ship's own self-defense capabilities in Air Warfare (AW), Undersea Warfare (USW), Surface Warfare (SUW), BARRY can effectively provide local area protection to the battle group, surface action group, and other ships. BARRY is equipped with the world's most sophisticated weapon system. She has the AN/SPY-1D Phased Array Radar, which incorporates significant advances in the detection capabilities of the AEGIS Weapons System, particularly in its resistance to enemy Electronic Counter-Measures (ECM). Using the SPY-1D and the MK 99 Fire Control System, BARRY can guide vertically-launched Standard Missiles to intercept hostile aircraft and missiles at extended ranges. To provide point defense against hostile air targets, BARRY is equipped with the Block 1 upgrade to the Phalanx Close-In-Weapons System (CIWS).

BARRY is also equipped with the Navy's latest SUW Combat Systems. Land attack cruise missile capability is provided by Tomahawk Missiles, which are launched from the ship's Mark 41 Vertical Launching System (VLS). BARRY also has shorter range Harpoon Anti-Ship Cruise Missiles have a range in excess of 65 nautical miles which are fired from stand-alone launchers. The 5"/54 Caliber Gun, in conjunction with the Mark 34 Gun Weapon System, is an anti-ship weapon which can also be used for close-in air contacts or to support forces ashore with Naval Surface-Fire Support (NSFS).

Finally, BARRY's AN/SQQ-89 integrated USW Suite is the most advanced anti-submarine warfare system in the world today. The AN/SQR-19 Tactical Towed Array SONAR (TACTAS) provides extremely long-range passive detection of enemy submarines, and the AN/SQS-53C Hull-Mounted SONAR is used to actively and passively detect and locate submarine contacts. BARRY also has the capability to land the SH-60B LAMPS Mark III Helicopter, which can link to the ship for support in the anti-submarine operations, as well as conducting over-the-horizon targeting missions. These systems are supplemented by the AN/SLQ-32V(3) Electronic Warfare Suite, which includes passive detection systems, decoy countermeasures and an active jamming capability.

Powered by four quick-response General Electric LM-2500 Gas Turbine Engines coupled to two Controllable-Reversible Pitch (CRP) Propellers, BARRY has tremendous maneuverability, and a top speed in excess of 30 knots. The ship's expert engineers also provide the ship with electricity, fresh water, heating and air conditioning facilities. BARRY matches maximum survivability with potent offensive capability.

Home to a crew of more than 300, BARRY has most services associated with a small town at sea, including dining, banking, ATM, laundry, post office and shopping facilities, over 10,000 line items of spare parts, and a barber shop. A marvel of modern technology and engineering, BARRY is a powerful instrument of peace in the service of our nation, capable of sustaining itself at

## SHIP'S SPECIFICATIONS:

### GENERAL

Length - 505.5 feet  
Beam (Maximum) - 66.5 feet  
Speed: 30+ knots  
Draft (Navigational)- 31 feet  
Displacement- 8300 tons full load  
Complement 30 officers 300 enlisted

### ENGINEERING

Propulsion: 4 LM2500 Marine Gas Turbine Engines, (100,000 Shaft horsepower)  
3 Allison 501-K34 Model 9140 Gas Turbine Generators (250 OKW each)  
Electrical:  
Services: 4 Air Conditioning Plants, 2 Reverse Osmosis Water Desalination

### SENSORS

AN/SPY-1D Search/Track Radar  
AN/SPS-67(V) 3 Surface Search Radar  
AN/SPS-64(V) 9 Surface Search Radar  
AN/SQ5-19B(V) 1 Tactical Towed Array Sonar System  
AN/SQS-53C(V) 14 Hull Mounted Sonar  
AN/SQQ-28(V) 2 Lamps III Shipboard Electronics

### WEAPONS

MK 45 MOD 1 5"/54 Caliber Gun Mount  
MK 41 Vertical Launch Systems (Total of 90 cells containing Standard Missiles, TOMAHAWK Cruise Missiles, or Vertically Launched ASROC)  
2 MK 141 Guided Missile Launchers (HARPOON Anti Ship Missiles)  
2 MK 15 MOD 12 Phalanx Close in Weapons Systems  
2 MK 32 MOD 14 Triple Tornado Tubes (MK 46/MK 50 Torpedoes)

### AIRCRAFT

Keel Laid: February 26, 1990

Christened: May 10, 1991

Commissioned: December 12, 1992