



DDG 1000 Class Destroyer



DDG 1000 Overview

15 January 2020

*Surface Navy Association (SNA)
32nd National Symposium*



DDG 1000 Program Manager, PMS 500

CAPT Kevin Smith



DDG 1000 Class Characteristics



Sensors

- SPY-3 X-Band Multi-Function Radar (MFR)
- Volume Search Radar (VSR) (Space & Weight reservation)
- MF Bow Sonar Array
- Multi-Function Towed Array
- EO/IR System
- ES System
- EXCOMMS - Alternative Navy C4I POR
- Network Tactical Common Data Link (NTCDL)*
- SPECTRAL*

Weapons

- (80) Advanced Vertical Launch (AVLS) cells for Maritime Strike Tomahawk*, ESSM, Standard Missile, SM-6 Block IA*
- (2) Advanced Gun System (AGS) 155 mm guns (Layup)
- (2) MK 46 Close In Guns (CIGS)
- Torpedo Defense (Space Reservation)
- Anti-Terrorism

Hull

- Wave Piercing Tumblehome

Characteristics

Overall length — 610ft

Maximum Beam — 80.7 ft

Navigational Draft — 27.6 ft

Speed — 30kts

Displacement Full Load — 15,612 LT

Installed Power — 78 MW

Crew Size — 178

(Plus 28 person aviation detachment)

Integrated Power System (IPS)

- (2) Main Turbine Generators (MTG)
- (2) Auxiliary Turbine Generators (ATG)
- (2) 34.6 MW Advanced Induction Motors

Boats

- (2) 11m RHIBs

Aviation

- (1) MH60R and (1) VTUAV

Superstructure

- *Composite Structure*
DDG 1000 / 1001
- *Steel*
DDG 1002

* Offensive Surface Strike



USS ZUMWALT (DDG 1000)

Operational Scenario Engagement / Tactical Training 2019



Victoria, British Columbia and Ketchikan, Alaska – March 2019



Pearl Harbor, Hawaii – April 2019



San Francisco, California – October 2019





USS ZUMWALT (DDG 1000)

San Diego Homeport



- Completed industrial work
- Post Delivery Test and Trials being conducted concurrently with Combat Systems Activation and Testing (weapons, sensors and communications)
- Continue to conduct regular at sea periods to maintain crew proficiency and provide the fleet an early opportunity to engage the ship in operational scenarios
- Final delivery to occur following combat systems activation – March 2020





USS MICHAEL MONSOOR (DDG 1001) San Diego Homeport



- **Accomplishments:**

- Commissioned 26 Jan 2019, Coronado CA
- Started Combat Availability at the BAE San Diego shipyard in April 2019
- Production: 93% complete
- Combat Availability is scheduled to complete in 2nd Quarter 2020
- Start activation and test of combat systems (weapons, sensors, and communications)





PCU LYNDON B. JOHNSON (DDG 1002)

Bath, ME Building Yard



- **Accomplishments:**

- Fabrication 90% complete
- Float-off achieved on 9 Dec 2018
- Christened on 27 Apr 2019
- Energize High Voltage occurred 25 Sep 2019
- HM&E delivery scheduled for Dec 2020





DDG 1000

AN EXCITING YEAR AHEAD



- Complete DDG 1000 First in Class Calm and Rough Water Trials
- DDG 1000 Final Delivery
- Conduct DDG 1000 First in Class Live Fire Events
- Continue DDG 1000 Operational Scenario Engagement and Tactical Training
- Continue Path to Initial Operational Capability (IOC) September 2021