

DDG 1000 Class Destroyer





DDG 1000 Overview

10 January 2018

Surface Navy Association (SNA) 30th National Symposium



DDG 1000 Program Manager, PMS 500

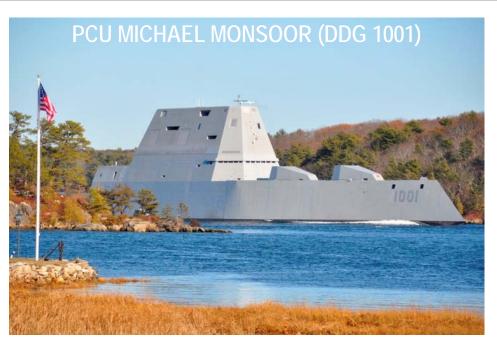
CAPT Kevin Smith



DDG 1000 CLASS







PCU LYNDON B. JOHNSON (DDG 1002)



Distribution Statement A: Approved for Public Release. Distribution is unlimited.



USS ZUMWALT (DDG 1000) San Diego Homeport





- Nearing completion of industrial work in preparation to activate combat systems (weapons, sensors and communications)
- Operational Test & Evaluation to commence in FY18 prior to Initial Operational Capability (IOC) in FY20





PCU MICHAEL MONSOOR (DDG 1001) Bath, ME Building Yard







- Christening completed 18 June 2016, Float Off completed 20 June 2016
- Generator Light Off achieved one month early on 01 March 2017
- Commenced Builder's Trials 04 December 2017 with a follow-up BT in mid January 2018
- Acceptance Trials to commence in January 2018 followed by HM&E delivery planned for March 2018



Distribution Statement A: Approved for Public Release. Distribution is unlimited.





PCU LYNDON B. JOHNSON (DDG 1002) Bath, ME Building Yard





- Started DDG 1002 fabrication April 2012 71% complete (as of 01 Dec 2017)
 - Lay Keel milestone achieved on 30 Jan 2017
 - DDG 1002 Hull Integration achieved December 2017
 - Christening/Float-off planned for November 2018
 - Delivery scheduled for March 2020





Distribution Statement A: Approved for Public Release. Distribution is unlimited.



Air Warfare Detect–Track– Engage Testing Self Defense Test Ship (SDTS)





- Wallops Island / Self Defense Test Ship (SDTS)
 - Successfully completed sixth TRACKEX June 2017
 - Completed Integration and Test August 2017
 - Commenced preparations for SDTS Firings 2018





DDG 1000 Zumwalt Class Destroyer System Description



Hull		Characteris	tics	
Wave-Piercing Tumblehome	Overall Length	610 ft	Displacement Full Load	15,61
	Maximum Beam	80.7 ft	Installed Power	78 MV
Sensors	Navigational Draft	27.6 ft	Crew Size	147
SPY-3 X-Band Multi-Function Radar (MFR)	Speed	30 kts	(plus 28 person aviation detachment) egrated Power System (IPS	
Volume Search Radar (VSR) (Space) Main Turbine Generators (MTG	
& Weight Reservation)) Auxiliary Turbine Generators (MTG	
HF & MF Bow Sonar Arrays			2) 34.6 MW Advanced Induction N	and the second s
Multi-Function Towed Array			J 54.0 WW Auvanceu muuction M	VIULUI S
EO/IR System				
ES System				
EXCOMMS – Alternative Navy C4I POR	* Sune	rstructure	Aviation	
Weapons (80) Advanced Vertical Launch (AVLS) c Tomahawk, ESSM, Standard Miss	cells for sile – D	mposite Structure DG 1000 / 1001	(1) MH60R and (3 (2) MH 60Rs	3) VTUA\
(2) Advanced Gun System (AGS) 155 mr	m guns Ste	eel DDG 1002		

(600) 155 mm rounds(2) MK 46 Close In Guns Systems (CIGS)Torpedo Defense (Space Reservation)Anti-Terrorism

Boats

(2) RHIBs (sized for (2) 7m or (2) 11m RHIBs)

Distribution Statement A: Approved for Public Release. Distribution is unlimited.

Vs/







• DDG 1000 is a multi-mission surface combatant

- Signature reduction, active and passive self-defense systems, and enhanced survivability features
- Provides credible forward naval presence while operating independently or as an integral part of Naval, Joint, or Combined Expeditionary Strike Forces
- Reduced Life Cycle Cost

• DDG 1000 in Homeport San Diego, CA

- Arrived San Diego, CA 8 Dec 2016
- Nearing completion of industrial work in preparation to activate combat systems (weapons, sensors and communications)
- Combat System Test and Activation will continue through 2018
- Planning to commence Operational Evaluation and Combat System Qualification Testing in 2018, culminating in Initial Operation Capability in 2020

• DDG 1001,1002 under contract and significant production underway

- DDG 1001/1002 completion 98% / 71% as of 1 December 2017
- Commenced Builder's Trials 04 December 2017 with a follow-up BT in mid-January 2018
- Acceptance Trials to commence in January 2018 followed by HM&E delivery planned for March 2018
- DDG 1002 Hull Integration achieved December 2017