



Carriers: Enduring. Capable. Relevant.

Sea Air Space 2017

CAPT Doug Oglesby
CVN 79/80 Program Manager

3 April 2017



PEO Carriers Portfolio

Mission: Deliver Aircraft Carriers on time, ready for tasking, at an affordable cost.

In-service Carriers Program Office

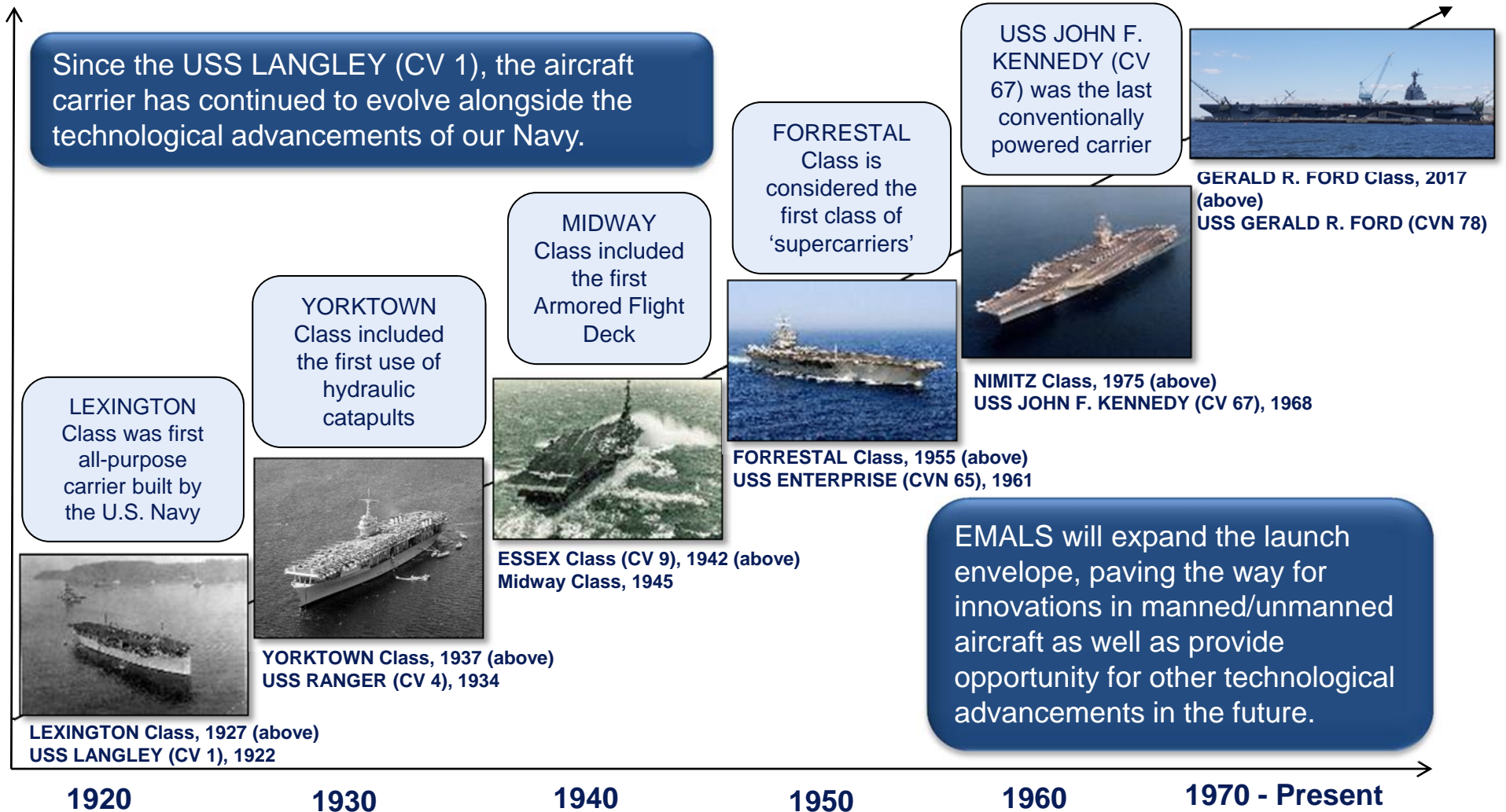
CVN 78 Program Office



CVN 79/80 Program Office



Carrier Evolution

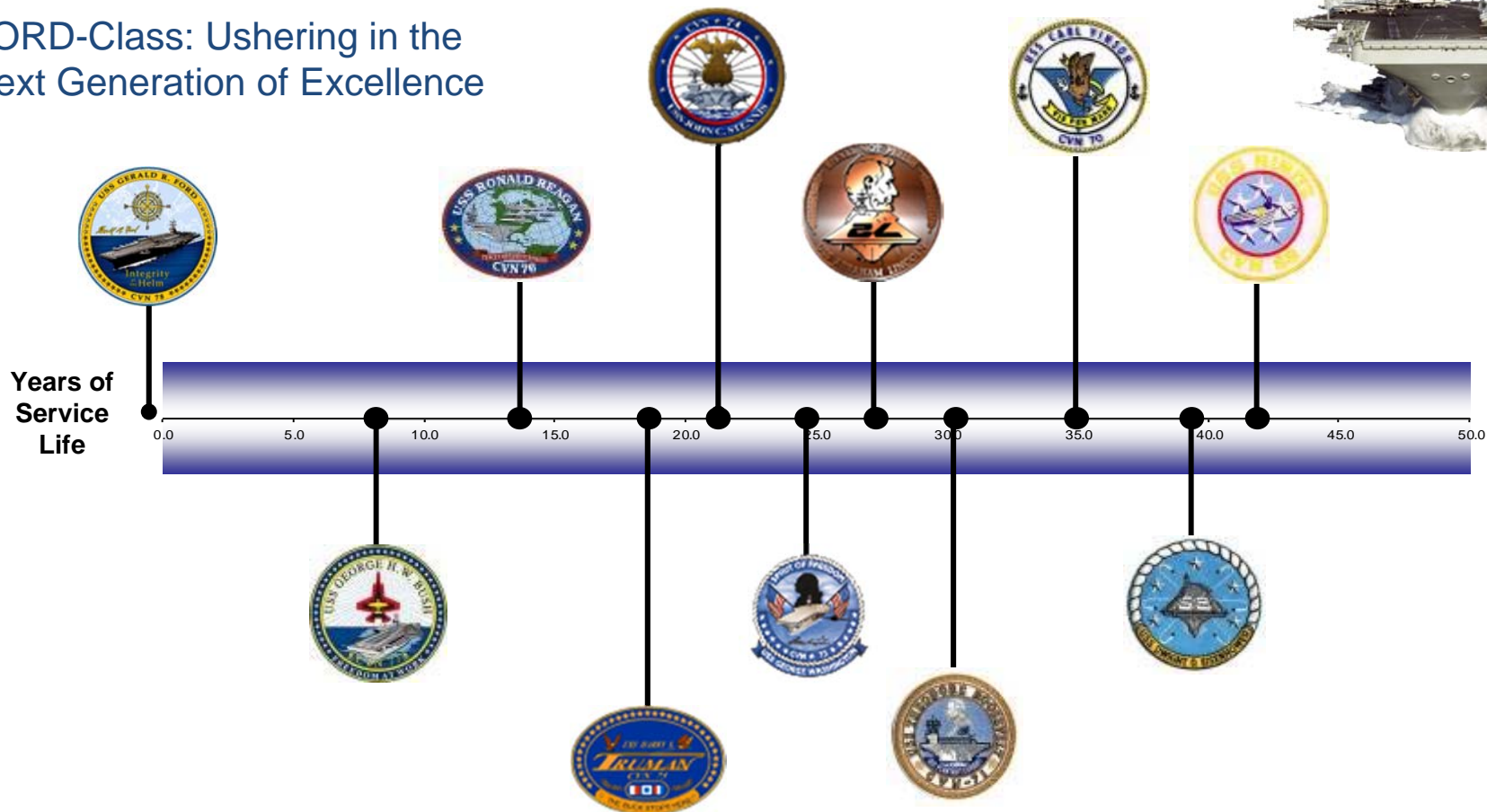




In-Service Aircraft Carriers

NIMITZ-Class: 500 total carrier-years,
serving over 84 years, from 1975 until 2059

FORD-Class: Ushering in the
Next Generation of Excellence



Only 52% through the service life of the NIMITZ-Class → 239 carrier-years remaining.



FORD-Class: The Next Generation



Increased Flexibility

- Nearly 3 times the electric plant capacity
- Restored weight and stability service life allowances
- 25% Increase in A_0

Increased Capability

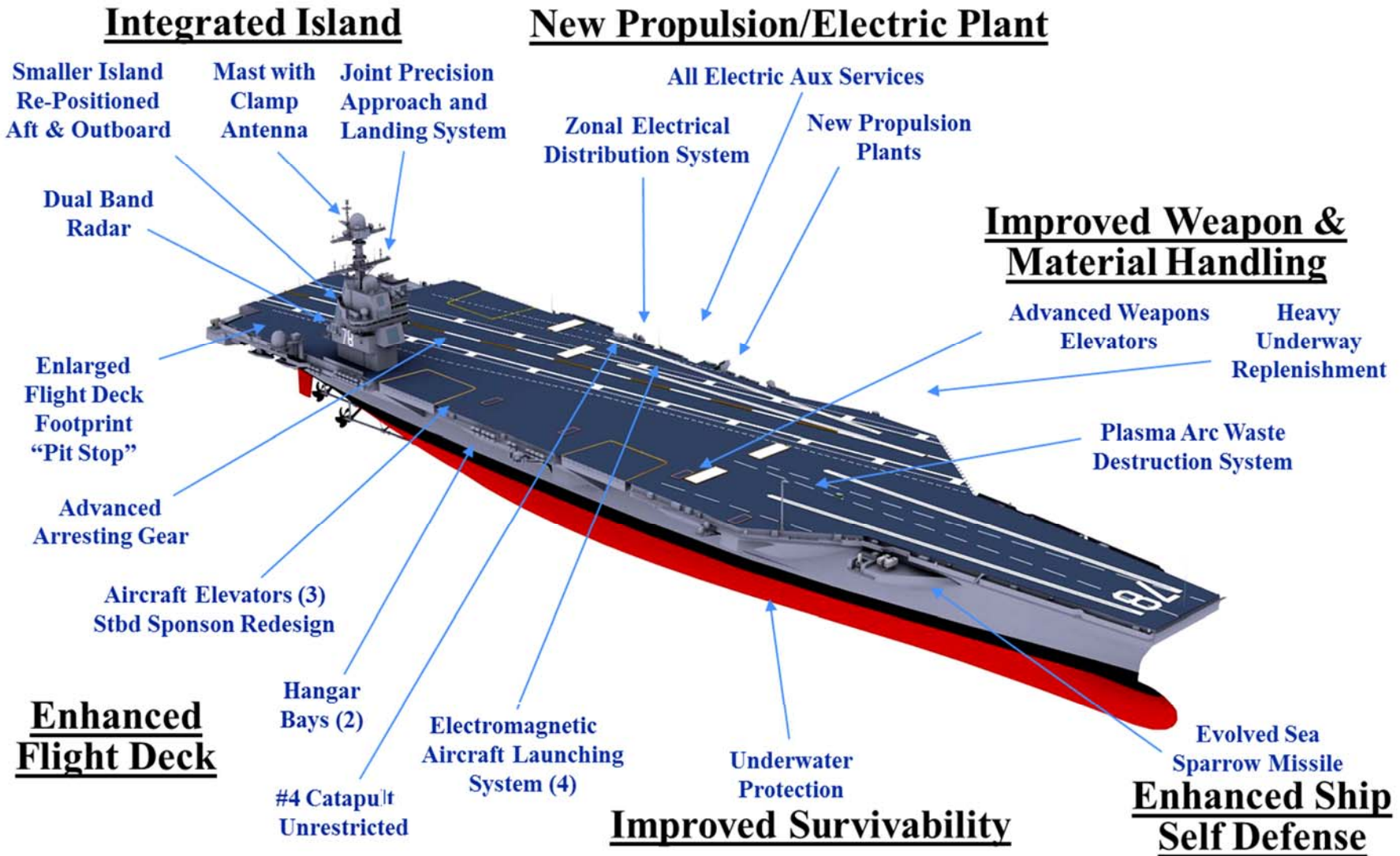
- 33% increase in Sortie Generation Rate
- Increased space for flight deck operations and aircraft maintenance

Increased Affordability

- Reduced manning and 20% reduction in maintenance costs
- Designed for 12-year docking intervals/43-month maint. cycle
- ~\$4.0B TOC reduction/ship



Gerald R. Ford Class





Gerald R. Ford Class Status

CVN 78: *The Finish Line is Near*

- 99% complete
- Crew living aboard since August 2015 (~2,500 sailors)
- Sea Trials in April 2017



CVN 79: *Coming Along Nicely*

- 27% constructed; 50% erected in June
- Enterprise Air Surveillance Radar
- Phase I delivery 2022; Phase II delivery 2024



CVN 80: *Off to a Great Start*

- Executing Advance Procurement
- Starting Advance Fabrication
- Ship construction award in 2018



Ms. Katie Ledecky

Ms. Simone Biles



FORD Class Construction

Achieving Sustained Affordability for the Class

Driving Down Construction Costs

GERALD R. FORD (CVN 78)
Christening Nov 2013
Deliver 2017



- First new CVN design in 40 years
- New design specifications
- Design / build
- Digital manufacturing of pipe, steel
- New facilities



JOHN F. KENNEDY (CVN 79)
Keel Laying Aug 2015
27% constructed
Replacement for CVN 68

- Modified repeat of CVN 78
 - Enterprise Radar Suite
 - Electric Aircraft Elevators
- Complete Bill of Material at start
- >60,000 lessons learned
- Build strategy improvements
- Increased use of digital data

18% fewer production hours

ENTERPRISE (CVN 80)
Planning Contract Awarded May 2016
Construction begins 2018
Replacement for CVN 69



- Rollover of CVN 79 design
- Lessons learned from both CVN 78 and CVN 79
- More build strategy improvements
- Integrated Digital Shipbuilding

8% additional reduction targeted

Questions/Discussion

