

Readiness Enhancement 2025 and Beyond

Achievability and Affordability



Disruptive Enablers

- **Ultra-High Reliability**
 - Advanced structures/materials/electronics
 - Design simplicity
- **Enhanced Fuel Efficiency**
- **Diagnostics/Prognostics/Health Mgmt**
- **Self-Repairing Structures and Networks**
- **Local Repair Techniques and Authorities**
- **Additive Manufacturing**
- **Advanced Tele-Repair**
- **Autonomous Vehicle Based Logistics**
- **Robust Planned Maintenance Events**
- **Performance Based Logistics**

Ao

Sustainment Objectives

- ✓ **Reduce Demand**
- ✓ **Reduce Cube/Weight/Power/Time**
- ✓ **Reduce Log Tail and Dependency**
- ✓ **Reduce Repair/Maintenance Cycle-time**

*Achievable Through Selective Legacy System and Process Mods
and New System Design*

USAFm

THE VALUE OF PERFORMANCE.

NORTHROP GRUMMAN

