



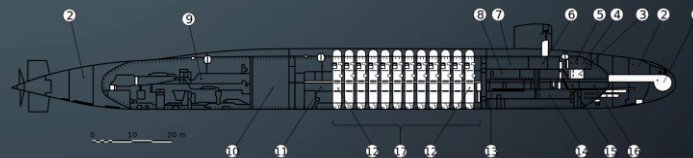
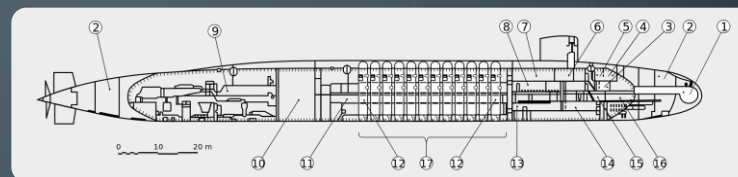
# **SSBN(X)+: GETTING THE MOST OUT OF NUCLEAR MODERNIZATION**

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# THE SSBN

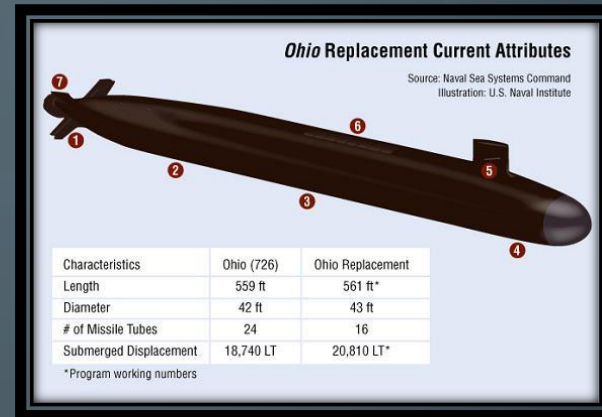
- Submarine, Ballistic Missile, Nuclear-powered
- Sea-leg of the US “nuclear triad”
- 14 Ohio-class SSBNs
- 2/3rds of US nuclear arsenal via Trident D5 SLBMs
- Credible “second-strike”

# OHIO-CLASS SSBN



# THE SSBN(X)

- X-Stern
- Electric drives
- Anechoic tiles
- LAB Sonar
- 16 Missile Tubes
- Water-jet propulsion



# NEW CAPABILITIES



## Defensive/Stealth

- Passive warning systems
- Passive surveillance/intelligence gathering
- Cable cutting/repair

# UNDERSEA CABLES

- 99% of international data
- Easily damaged
- Difficult to repair
- Immediate global impact





# NEW CAPABILITIES (CONT.)

## Offensive/Non-stealth

- Anti-Satellite (ASAT)
- Missile defense
- Anti-aircraft
- Offensive mining
- Mixed-arsenal (conventional & nuclear)



# THE “UUV REVOLUTION”



- Unmanned Underwater Vehicles
- Counter-surveillance
- Offensive or defensive capabilities
- Adaptable & versatile technology
- Drone hub capabilities



