



Expeditionary Logistics Component

Littoral Combat and Power Projection FNC

FNC Overview

HiCASS Industry Day

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Naval Science & Technology Vision



To inspire and guide innovation that will provide technology-based options for future Navy and Marine Corps capabilities...

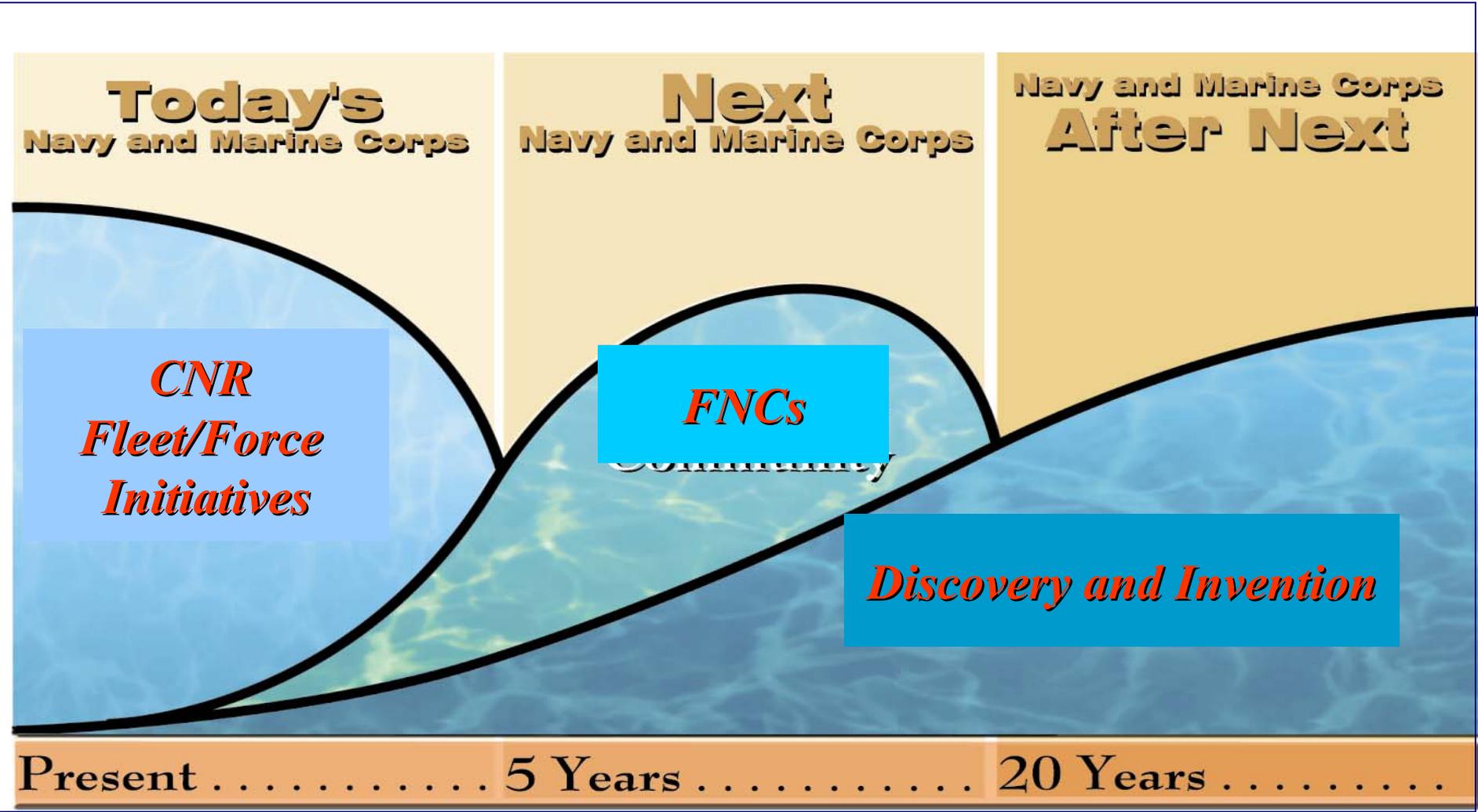
...and to avoid technological surprise.



The Way Ahead for Naval S&T



...a look at tomorrow through the porthole of today...





S&T Investment Program Issues circa 1998

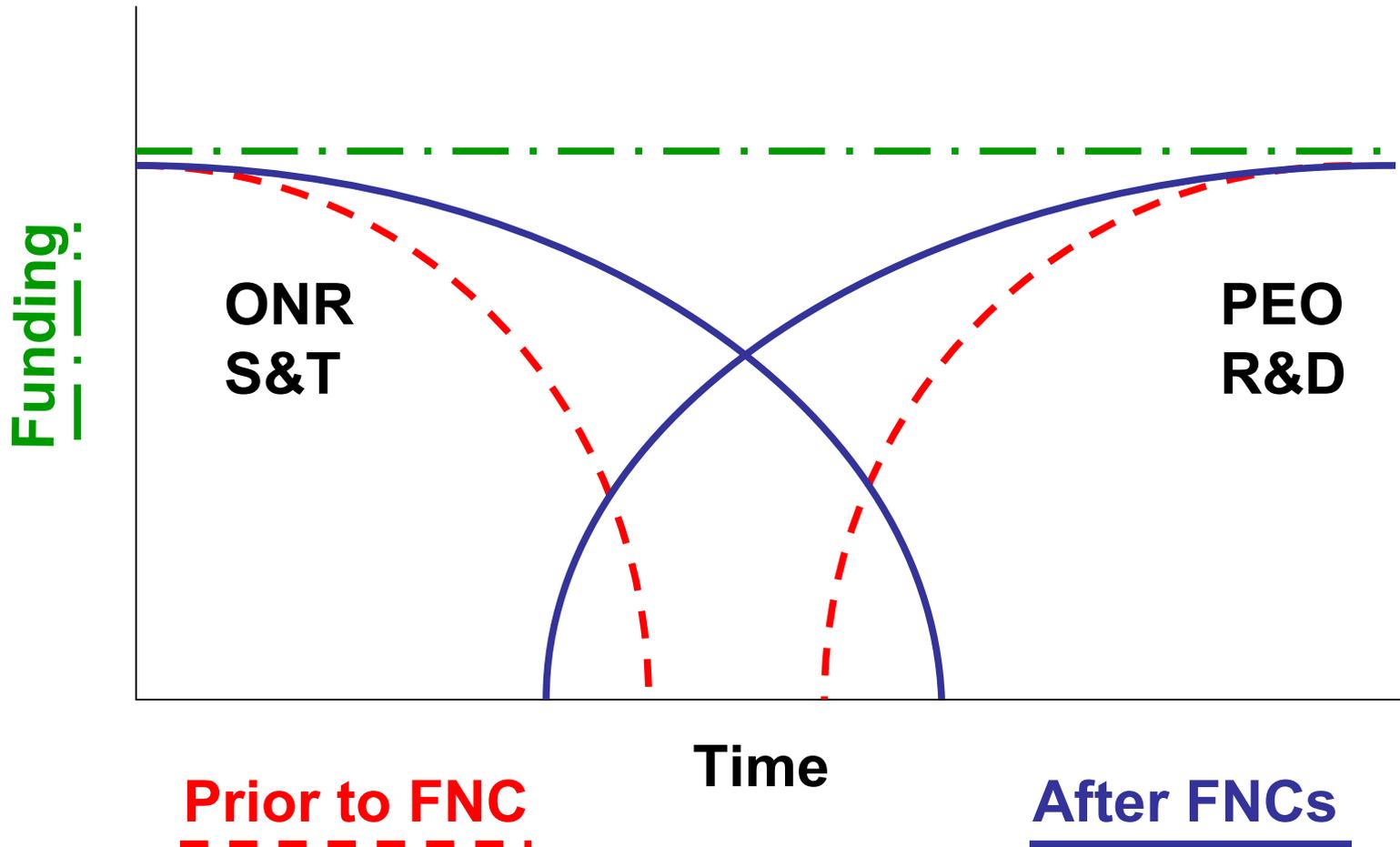


- Concern whether S&T delivered to the fleet
- S&T investment was “platform centric”
- Lacked acquisition commitment to pick up mature S&T technologies
- Poorly negotiated definition of transition points
- Trend of continual S&T investment reduction
- More focus was required on the ‘capability’ needs of the Navy and Marine Corps

A new program was necessary to reinforce S&T investment impact

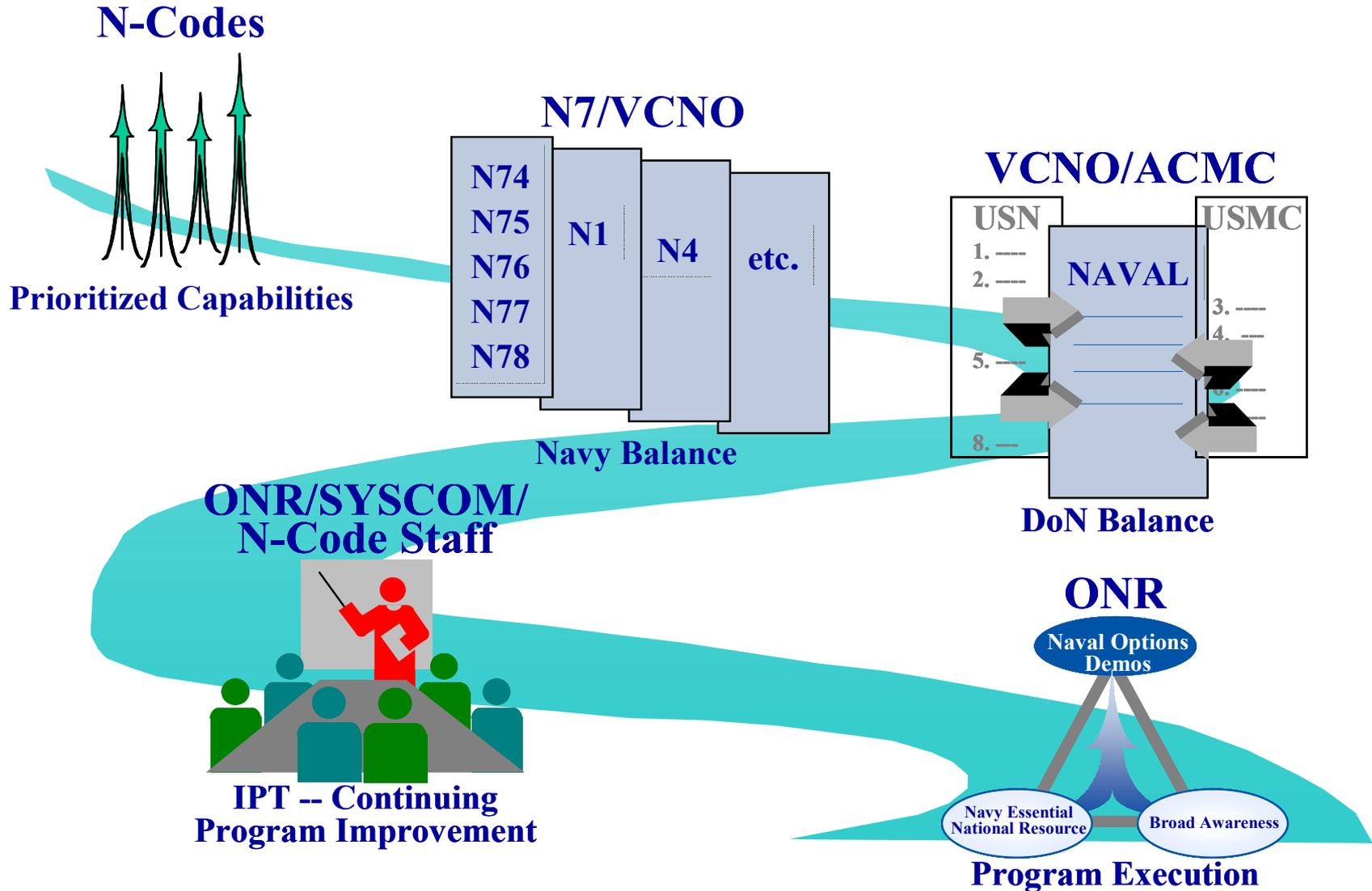


“Technology Valley of Death”





The New Process





FNCs are Executed as 'Spikes'



- FNC's have components
 - The FNC is a high level area of research focus
 - The FNC is divided into prioritized smaller units called Enabling Capabilities
- *Spike*: S&T program that addresses each Enabling Capability
 - Each Enabling Capability has at least one "Spike" and can have more than one "Spike"



FNC Profile



Future Naval Capabilities

1. Time Critical Strike
2. Missile Defense
3. Fleet Force Protection
4. Littoral ASW
5. Organic Mine Countermeasures
6. Autonomous Operations
7. Total Ownership Costs
8. Capable Manpower
9. Warfighter Protection
10. Knowledge Superiority & Assurance
11. Advanced Electric Capability Systems
12. Littoral Combat & Power Projection

Program Characteristics

- FY03 FNC Investment – \$596M
- FNCs – 12
- Enabling Capabilities – 42
- FYDP Funding Floor
✓ 30% of S&T TOA



FNC Summary



- Successful in bridging the Valley of Death
- Focused on warfighter requirements
- Directly supports acquisition
- Budget stabilized at supportable thresholds (30% of TOA)
- Aligned with Senior Leadership's vision - Sea Power 21 and Navy Transformation Roadmap
- Evolving process to address future warfighting requirements