SSC PAC's ROLE in Fight the Naval Force Forward Information Warfare (IW) Advanced Naval Technology Exercise (ANTX)

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Presented by:

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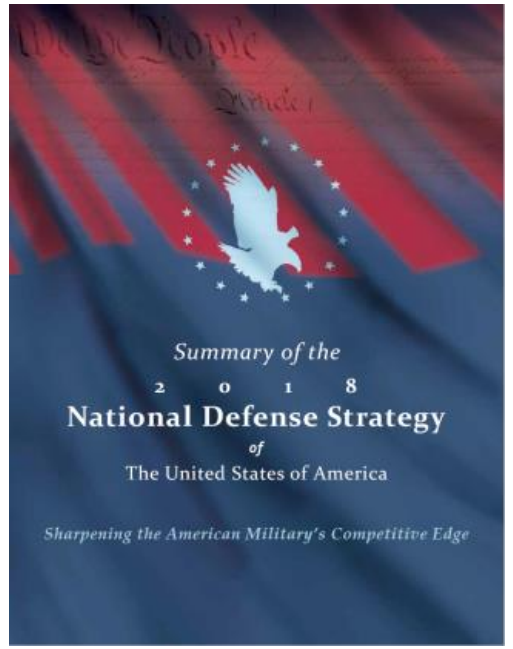
SPAWAR Systems Center Pacific

Why?

"Deliver performance at the speed of relevance. Success no longer goes to the country that develops a new technology first, but rather to the one that better integrates it and adapts its way of fighting."

Ref: Summary of the 2018 National Defense Strategy of the United States of America.



NDS Implementation requires integrated and focused teams of Operators, Technologists, and Acquisition Professionals

- Tactics and Technology Exploration and Experimentation (TNTE2 pronounced "TNT-2") method integrates Operators and Technologists
- New Accelerated Acquisition authorities from NDAA 16/17

TNTE2 and new Acquisition Authorities enable delivery of performance at the speed of relevance

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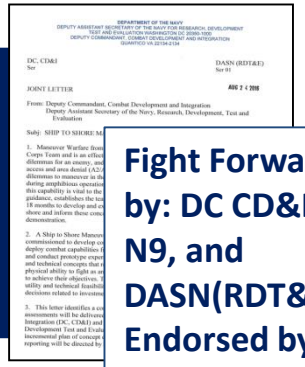
Fight the Naval Force Forward Task Force
Emerging Warfighting Concepts

Distributed Maritime Operations (DMO)

Littoral Operations in a Contested Environment (LOCE)

Expeditionary Advanced Base Operations (EABO)



Fight Forward TF est. by: DC CD&I, OPNAV N9, and DASN(RDT&E) Endorsed by CPF, MARFORPAC, USFFC, TBD 2018

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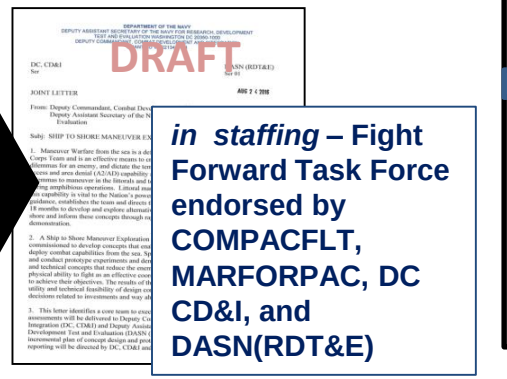
Fight the Naval Force Forward – Campaign of Campaigns

Warfighting Concept/Need

- Naval R&D
- Industry R&D
- Commercial Tech

Fleet/Force Endorsed Task Force



Warfighting Need

in staffing **– Fight Forward Task Force endorsed by COMPACFLT, MARFORPAC, DC CD&I, and DASN(RDT&E)**

FY18		FY 19				FY20			
Q3	Q4	Q1	Q2	Q3	Q4	Q1	Q2	Q3	Q4

- ***TF Established***
- ***RFP – Call to Industry***
- ***Fleet/Force Engagement***
- ***Information Warfare ANTX***
- ***Cooperative ID Targeting & Strike ANTX***
- ***Maneuver & Logistics ANTX***

Rapid Prototypes

Rapid Fieldings

Accel Acquisitions

IW Advanced Naval Technology Exercise (ANTX)	***Cooperative ID Targeting & Strike ANTX***	***Maneuver & Logistics ANTX***

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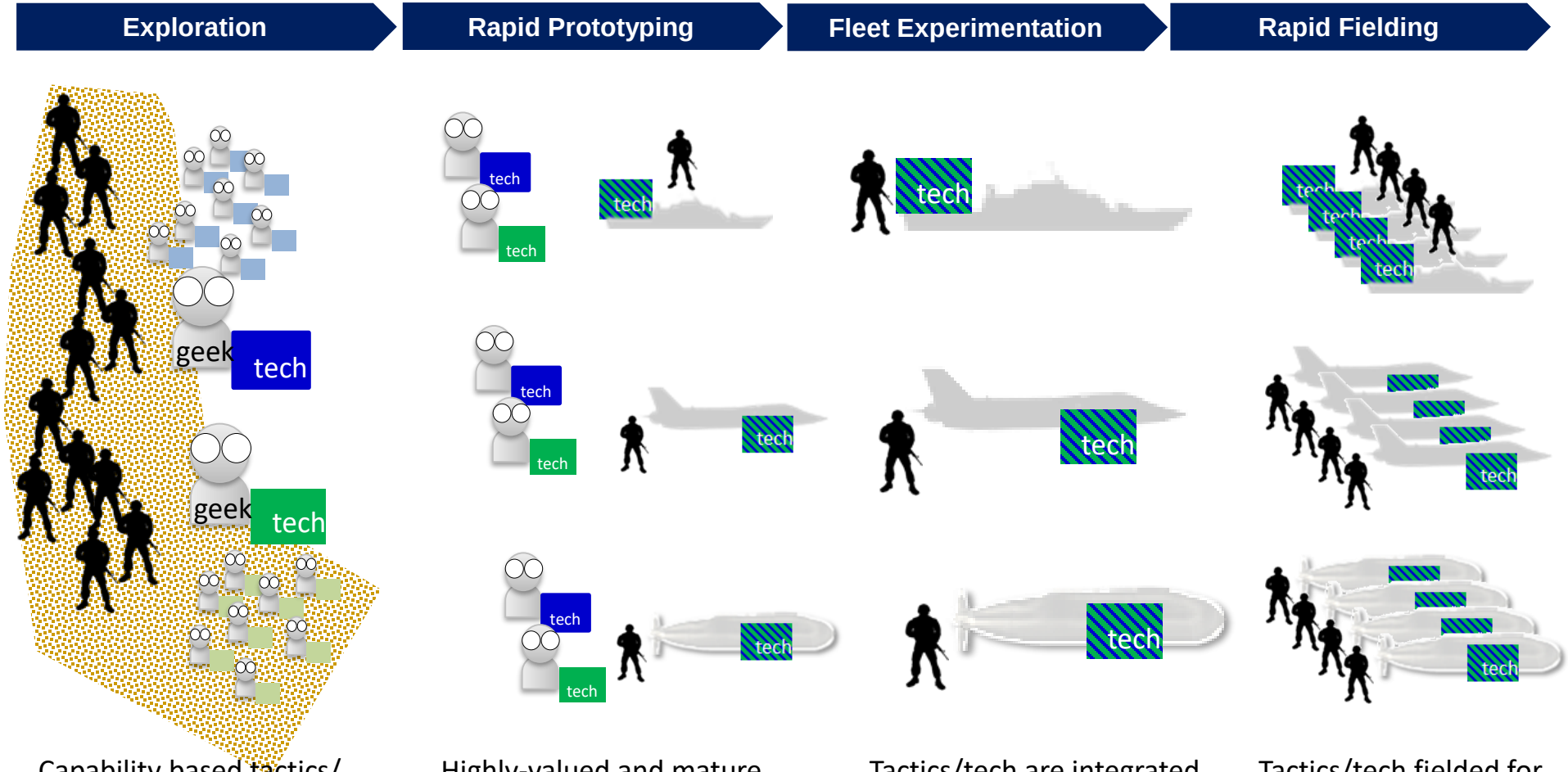
Integrating Tactics and Technology Development
TNTE2 Continuum



Capability based tactics/ technology demos in field representative environments

Highly-valued and mature tactics/tech are ruggedized and integrated based user inputs

Tactics/tech are integrated for Fleet experimentation and limited user evaluations

Tactics/tech fielded for extended user evals

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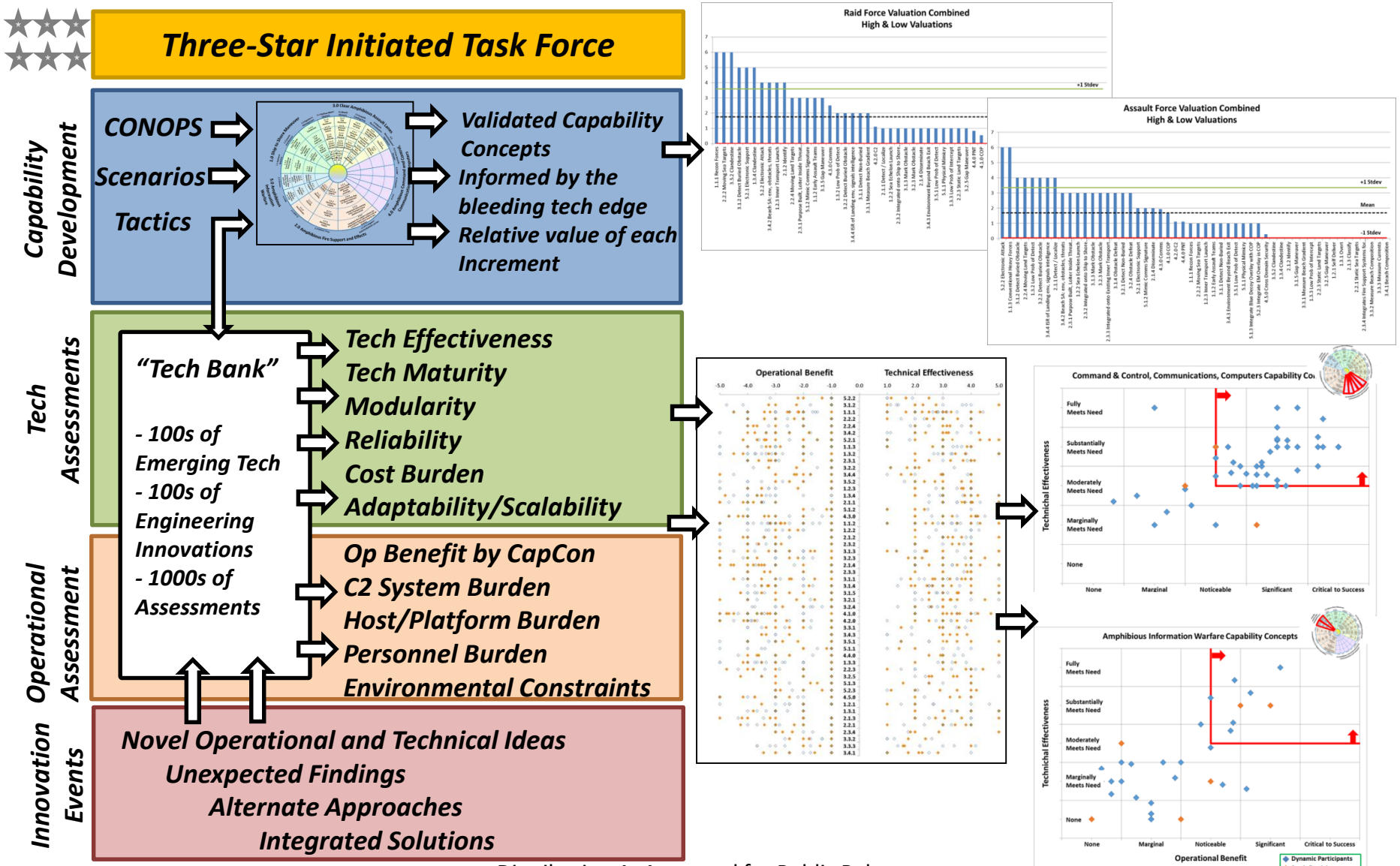
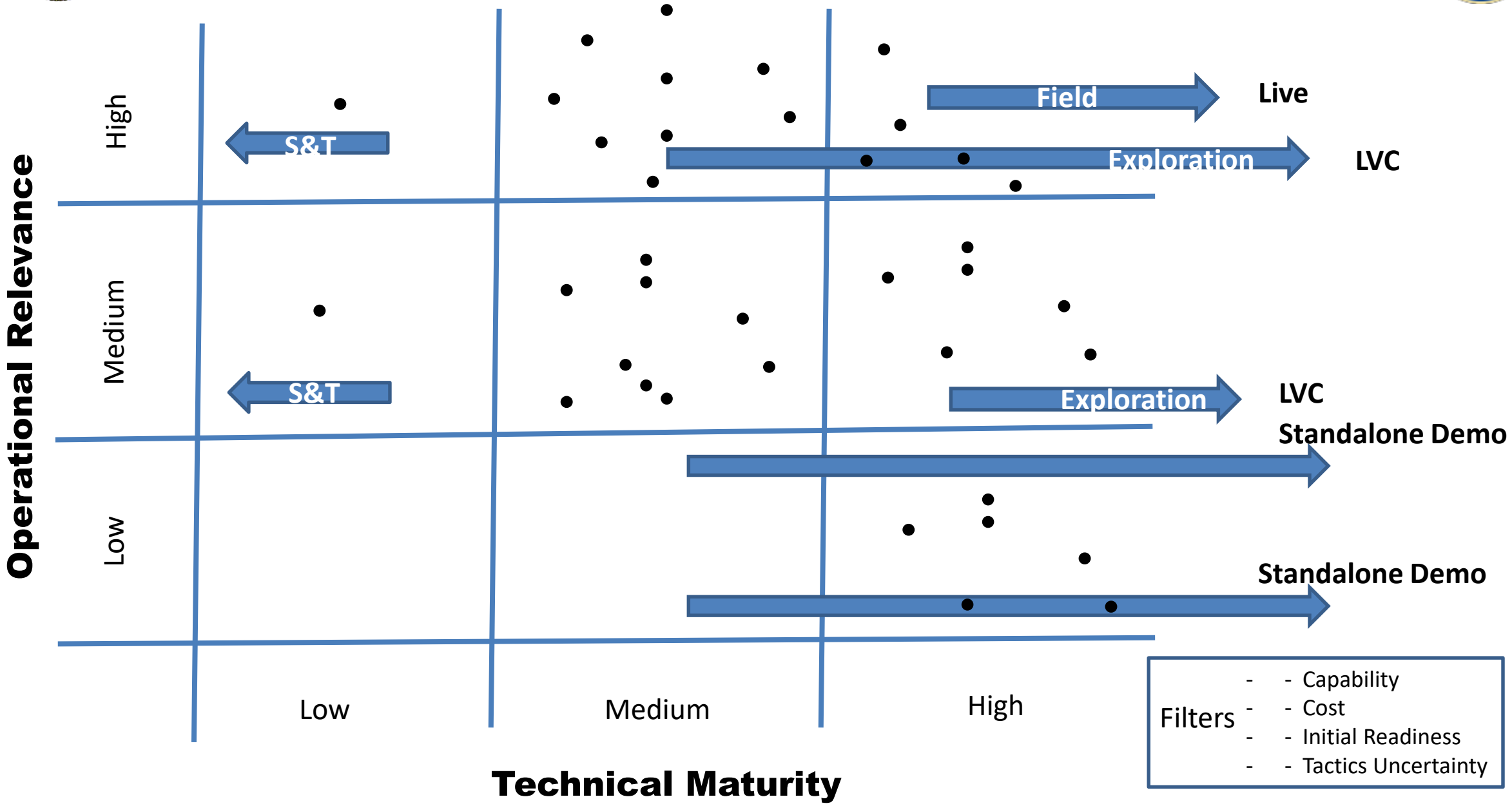
Tactics and Technology Exploration and Experimentation (TnTE2) Method

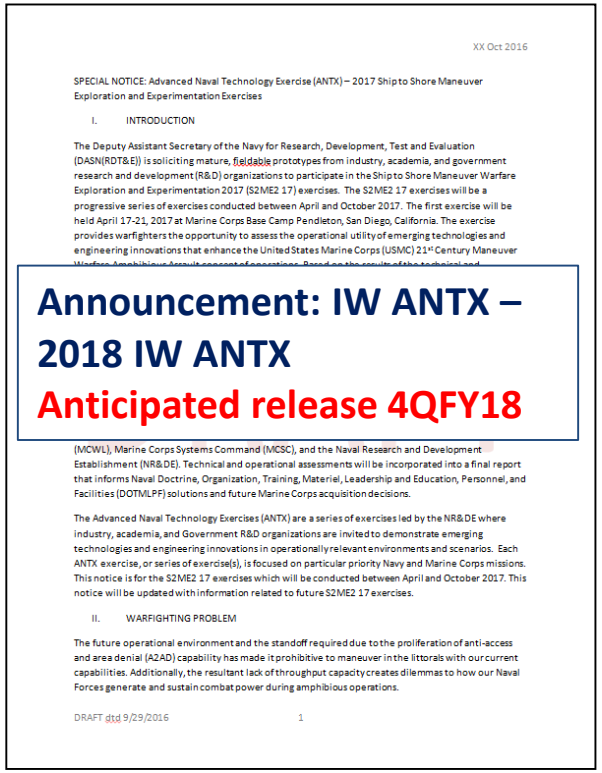


IW ANTX Decisions Plots



IW ANTX Announcement

SSC Pacific is soliciting mature, fieldable prototypes from industry, academia, and government R&D organizations to participate in the IW ANTX.



XX Oct 2016

SPECIAL NOTICE: Advanced Naval Technology Exercise (ANTX) – 2017 Ship to Shore Maneuver Exploration and Experimentation Exercises

I. INTRODUCTION

The Deputy Assistant Secretary of the Navy for Research, Development, Test and Evaluation (DASN(RDT&E)) is soliciting mature, fieldable prototypes from industry, academia, and government research and development (R&D) organizations to participate in the Ship to Shore Maneuver Warfare Exploration and Experimentation 2017 (S2ME2 17) exercises. The S2ME2 17 exercises will be a progressive series of exercises conducted between April and October 2017. The first exercise will be held April 17-21, 2017 at Marine Corps Base Camp Pendleton, San Diego, California. The exercise provides warfighters the opportunity to assess the operational utility of emerging technologies and engineering innovations that enhance the United States Marine Corps (USMC) 21st Century Maneuver

Announcement: IW ANTX – 2018 IW ANTX
Anticipated release 4QFY18

(MCWL), Marine Corps Systems Command (MCSC), and the Naval Research and Development Establishment (NR&DE). Technical and operational assessments will be incorporated into a final report that informs Naval Doctrine, Organization, Training, Materiel, Leadership and Education, Personnel, and Facilities (DOTMLPF) solutions and future Marine Corps acquisition decisions.

The Advanced Naval Technology Exercises (ANTX) are a series of exercises led by the NR&DE where industry, academia, and Government R&D organizations are invited to demonstrate emerging technologies and engineering innovations in operationally relevant environments and scenarios. Each ANTX exercise, or series of exercise(s), is focused on particular priority Navy and Marine Corps missions. This notice is for the S2ME2 17 exercises which will be conducted between April and October 2017. This notice will be updated with information related to future S2ME2 17 exercises.

II. WARFIGHTING PROBLEM

The future operational environment and the standoff required due to the proliferation of anti-access and area denial (A2AD) capability has made it prohibitive to maneuver in the littorals with our current capabilities. Additionally, the resultant lack of throughput capacity creates dilemmas to how our Naval Forces generate and sustain combat power during amphibious operations.

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Technologies/engineering innovations of high interest:

Mature technologies that can be **fielded rapidly**

Cost-effectively augment current/planned USN/ USMC capabilities

Leverage recent advancements in **unmanned, manned, autonomous,** and **optionally manned** systems

Employ adaptive/innovative uses of **technologies proven** for other operational users (e.g. special forces, Navy, Joint, National, or other)

Leverage **adaptive** and **modular** designs to address one or more capability concepts

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QUESTIONS?