



RAPID PROTOTYPING EXPERIMENTATION & DEMONSTRATION

Sponsors: Naval Air Warfare Center Aircraft Division (NAWCAD)

Focus: Rapid Prototyping Experimentation & Demonstration (RPED) allows collaboration for industry, academia, and government research and development (R&D) organizations. RPED will provide a platform for warfighters to assess potential utility of innovations before decisions are required on investment priorities. It also allows for a major collaboration to NAVAIR contingency.

Type of Event: Experiment/Demonstration

Location: Patuxent River, MD

Entry Criteria: Online application with a quarterly cycle of project calls, proposals, and then selection.

Challenges: Submissions need to be timely and adhere to all deadlines.

Link: <http://impax.tech/nawc-antx>



When?

The series is usually conducted in May.





FLEET EXPERIMENTATION

Sponsors: Naval Warfare Development Command (NWDC) with support from the NAVAIR Reserve Program (NRP)

Focus: Fleet Experimentation (FLEX) identifies and examines doctrinal and materiel solutions to the Fleet’s warfighting gaps, as directed by Fleet Commander guidance. Efforts are coordinated to provide operational and acquisition cohesion through mission-level evaluation. Integration and interoperability products are leveraged to prioritize solutions and inform investment decisions. All initiatives are screened and briefed by NWDC and their respective review panels, ensuring that high-potential initiatives are authorized to participate in the event.

Type of Event: Program

Location: Atlantic, Europe, Pacific

Entry Criteria: Single point of entry as FIMS (Fleet Information Management System) is the primary input. Government-sponsored initiatives are submitted for year-round consideration.

Challenges: Requires use of fleet assets so consider acquisition. Review application deadline and account for FIMS hosting on SIPRNet.

Link: https://navysbir.com/sec/docs/FY20_FLEX_Trifold3.pdf



When?
TBD.





CYBER ANTX

Sponsors: Naval Information Warfare Center (NIWC) Atlantic (LANT)

Focus: New technologies that can support local cyber defenders. Capabilities of interest include Indicator of Compromise (IOC) reporting, threat intelligence over Disrupted, Degraded, Intermittent, Latent (D-DIL) links, efficient and empowered courses of action, and restoration to known states.

Type of Event: Program

Location: Charleston, SC

Entry Criteria: Technologies are evaluated based on their capabilities that apply to defenders in the afloat environment.

Challenges: Initiatives must be able to demonstrate value in cybersecurity field and utilize afloat platforms.

Link: <https://www.niwcatlantic.navy.mil/antx/cyber-antx>

Support the Local Defender!

Capabilities of Interest include:

- Summarize and simplify Indicator of Compromise (IOC) reporting
- Efficiently emit threat intelligence over Disrupted, Degraded, Intermittent, Latent (D-DIL) links
- Allow ashore defenders to describe & recommend Courses of Action in a reliable & timely fashion
- Empower local defenders to automate responses efficiently
- Support efficient system restoration to “known good” states
- Anticipate and “pre-place” capabilities – with sufficiently low learning curve – for local defender execution

When?

Previously held September 6-16, 2022.



NORTHERN EDGE

Sponsors: Alaskan Command (ALCOM)

Focus: Intended as both a key training event and an opportunity to assess advanced equipment and future operations, Northern Edge is a joint field training exercise that uses realistic scenarios to improve combat readiness. Typical objectives include defensive counter-air, close-air support, and air interdiction of maritime targets.

Type of Event: Joint Exercise

Location: Gulf of Alaska

Entry Criteria: Large scale exercise, with a multitude of different units, major commands, and all four branches of the U.S. military participating.

Challenges: Infrequent event, requires long-term planning and logistics.

Link: <https://www.pacom.mil/About-USINDOPACOM/>



When?

Odd-numbered years,
around May or June.





TRIDENT SPECTRE

Sponsors: Naval Special Warfare Command Group Eight (NSWG-8)

Focus: Trident Spectre is the innovation battle lab and principal proving ground for Naval Special Warfare, with the intent to exercise projects that meet USSOCOM operational capability shortfalls and needs from the intelligence community. Projects can benefit from end-user feedback and developer collaboration.

Type of Event: Program

Location: Fort Story, VA

Entry Criteria: Submissions are via Vulcan. Capabilities must be government-sponsored during selection phase and have U.S.-cleared technical personnel.

Challenges: Feasible products need to be evaluated and determined in advance, consider deadlines as listed on official website. Interest items and specific needs are determined and announced early to attract specific technologies.

Link: <https://vulcan.navy/trident-spectre/>



When?

Annually, this year's exercise concluded in May.





Technology Operational Experimentation Exercise (TOEE)

Sponsors: Office of Naval Research (ONR)

Focus: TOEE leverages experimental technologies in realistic, operational conditions, while applying emerging naval concepts and soliciting warfighter feedback. The data produced can assist in improving existing and future technologies as well as informing decision makers.

Type of Event: Exercise

Location: Camp Lejeune, North Carolina

Entry Criteria: Must have field-ready technologies addressing operational objectives in support of Maritime Reconnaissance and Counter-Reconnaissance. Participation in Phase 1 is required to be considered for selection into Phase 2.

Challenges: Consider schedule and submission deadline. Submittals should be concise and descriptive.

Link: Full solicitation, when available, will be on [SAM.gov](https://sam.gov). Photos from August 2022 event located [here](#).



When?

Multiple times a year –
Fall; Spring; Summer





Repair Technology Exercise (REPTX)

Sponsors: NAVSEA, NUWC Keyport

Focus: A unique event designed for government, academia, and industry participants. Initiatives are invited to demonstrate and assess the feasibility and efficacy of their products and services that expand the Navy's ability to perform expeditionary maintenance operations.

Type of Event: Exercise

Location: Naval Base Ventura County at Port Hueneme, CA

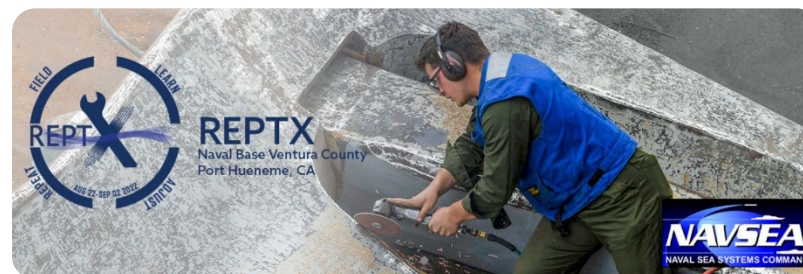
Entry Criteria: Technology must fit within pre-selected focus areas.

Challenges: Interest in targeting more SBIR participation.

Link: <https://www.ncms.org/events/2022-reptx/>

When?

Previously held August
22 – September 2, 2022.
2024 date TBD.





JOINT INTERAGENCY FIELD EXPERIMENTATION (Continued)

Sponsors: Naval Postgraduate School (NPS)

Focus: Joint Interagency Field Experimentation (JIFX) provides field experimentation resources for Unified Combatant Commands and federal agencies. Opportunities are afforded for NPS faculty and students to develop and test new technologies and the operational community a platform to utilize and experiment with these innovations.

Type of Event: Experiment

Location: Monterey, CA, Camp Roberts, & San Clemente Island

Entry Criteria: Low barrier; everyone is welcome to apply to the event. Submission is continuous.

Challenges: Must provide your own resources outside basic communications infrastructure.

Link: <https://nps.edu/web/fx>



When?

Quarterly— November; February;
May; August



Other Supported Events

1. **Valiant Shield** - <https://www.pacom.mil/>
2. **COMPTUEX** - <https://www.centcom.mil/MEDIA/>
3. **Fleet Battle Problems**- <https://www.usff.navy.mil/>
4. **Limited Technical Experiments & Demonstrations** – Contact DoN-SEC for assistance in working with PEOs and SYSCOMs
5. **Naval Integrated Live, Virtual Constructive Environment (NILE)**
6. **SOFWERX Assessment Event (AE)** - <https://events.sofwerx.org/suas/>

