Welcome
1000-1005 Roll Call/Welcome – Michelle Griggs

1005-1020 COVID-19 Summary
   • Adjusted Meeting Plans
   • Regional Impacts (ALL)

1020-1025 Space Force/Command Update
   • Space Florida Stakeholder Engagement Program (SEP)

1025-1040 Gulf Range Update

1040-1050 Regional Updates (ALL)

1050-1100 Plan for May/June Meetings and Workshops
   • Focus on Resilience

1100 Adjourn
FDA COVID-19 Adjusted 2020 Schedule

In-Person Meetings:

• 16 September 2020 - Tallahassee
• 18 November 2020 - Orlando
• Both day before FDSTF Meetings

Webinar Sessions AM:

• 20 May 2020
• 17 June 2020
“ALL RIGHT, THEY’RE ON OUR LEFT, THEY’RE ON OUR RIGHT, THEY’RE IN FRONT OF US, THEY’RE BEHIND US ... THEY CAN’T GET AWAY THIS TIME”
Stakeholder Engagement Planning (SEP) Program
Stakeholder Engagement Planning

- Space Florida Sponsored Program Design to Facilitate Community, Business and Academic Support of the United States Space Force (USSF)
- Seeks to Anticipate and Qualify USSF Market Potential for Florida Stakeholder
- Provides a Forum to Understand and Document Stakeholder Capabilities and Future Objectives
- Works to Match Stakeholder Capabilities to USSF Requirements and Existing Florida-based Resources
Fundamentally transform our approach to space from a combat support function to a warfighting domain.

Establish the U.S. Space Force as a separate military service inside the Department of the Air Force.

Maximize warfighting capacity and advocacy for space while minimizing bureaucracy.

Outpace future threats by reenergizing the Defense Department’s space development culture to rapidly build, deploy, operate and innovate at low cost.

Bring a full-time operational focus to defend our vital national interests in space.
S. 2657 American Energy Innovation Act of 2020

SA 1442. Mr. RUBIO (for himself and Mr. SCOTT of Florida) submitted an amendment intended to be proposed to amendment SA 1407 submitted by Ms. MURKOWSKI and intended to be proposed to the bill S. 2657, to support innovation in advanced geothermal research and development, and for other purposes; which was ordered to lie on the table; as follows:

At the appropriate place, insert the following: SEC. III. MORATORIUM ON OIL AND GAS LEASING IN CERTAIN AREAS OF GULF OF MEXICO. Section 104(a) of the Gulf of Mexico Energy Security Act of 2006 (43 U.S.C. 1331 note; Public Law 109–432) is amended in the matter preceding paragraph (1) by striking “June 30, 2022” and inserting “June 30, 2032”.
1000-1005  Roll Call/Welcome – Michelle Griggs

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  ▪  Adjusted Meeting Plans
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  ▪  Focus on Resilience

1100  Adjourn
The National Center for Simulation

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www.simulationinformation.com

George E. Cheros
President & CEO

Neal M. Finkelstein, Ph.D.
Chief Operating Officer

May ‘20
Joint Gulf Range Complex

A critical strategic advantage to the United States in the Joint Gulf Range Complex. This encompasses 180,000 square miles of DoD controlled airspace over the Gulf of Mexico. Florida’s training area also contains multiple live-fire bombing ranges, including Pinecastle Range, Avon Park Air Force Range, and the Eglin Range. This integral part of DoD’s Training Resources Strategy allows for joint maritime, air, and land training exercises.

US SPECIAL OPERATIONS COMMAND

Worldwide command for counter-terrorism special operations.

US CENTRAL COMMAND

United States command for Middle East.

NAS KEY WEST

The Navy’s premier pilot training facility for transient tactical aviation squadrons.

Joint of the United States Department of Defense

Provides combat, aerial, air, and sea power.
Florida DoD State Impact

Now 2020
$94.9 Billion

Then 2017
$84.9 Billion

REF: University of West Florida HASS Center Florida Defense Alliance Working Group Study

The National Center for Simulation (www.simulationinformation.com)
How We Work In Partnership

COLLABORATIVE ALLIANCE

TEAM ORLANDO

LOCAL STATE FEDERAL

ALL SUPPORTED BY GOVERNMENT OFFICES AND COMMITTEES

SUPPLEMENTED, SUPPORTED AND AUGMENTED BY

THE NATIONAL CENTER FOR SIMULATION
HCS and 240+ Industry Leading Businesses

University of Central Florida and Others from Academia

THE CORRIDOR Regional High Tech Interests

ORLANDO ECONOMIC PARTNERSHIP

UNIQUE COLLABORATION OF LEADING MILITARY SIMULATION COMMANDS

NAWC
Important Mission

Modeling, Simulation & Training saves Time, Money & Lives

The National Center for Simulation (www.simulationinformation.com)
NCS Membership Growing

INDUSTRY RESOURCES

The National Center for Simulation

AEgis
AVT Simulation
Boeing
Bohemia Interactive Simulations
CAE
Cole Engineering Services
Cubic
Dignitas
Disney
Elbit Systems
Engineering & Computing Simulations
Flight Safety International
General Dynamics
Huntington Ingalls
Industrial Smoke & Mirrors
Kratos
Lockheed Martin
Luminar
Nemours Children’s Hospital
Nova Technologies
Polhemus
Rockwell Collins
Schlumberger
Shell
Serious Simulations
SIMETRI

The National Center for Simulation (www.simulationinformation.com)
Advocate For MS&T Technology Transfer

Transportation

Energy

Cyber

Homeland Security

Medical City – Lake Nona

Space Coast

Gaming & Digital Media Downtown

Chips & Optics Manufacturing

Incubators & Start-Ups

Education

The National Center for Simulation (www.simulationinformation.com)
Cyber Security Capability in the National Security Space Domain

2 Goals

• Short Term – Capture the HQ of the US Space Command
  • How does Florida’s cyber capability provide a competitive advantage to capturing USSPACECOM?

• Long Term – Capture more National Security Space Cyber Programs, Missions & Units
  • How can we best leverage that capability to capture more of the US space enterprise cyber funding in the next 3-10 years?
Cyber Security Capability in the National Security Space Domain

• **Strengths**
  
  • Depth and breadth of capability

• **Weaknesses**
  
  • Diversity of applications spread across the state
  • Is it a sufficiently known strength within the offices in the Pentagon making the USSPACECOM HQ decision?
U.S. SPACE FORCE
KEY POINTS FOR ESTABLISHMENT

Fundamentally transform our approach to space from a combat support function to a warfighting domain.

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Bring a full-time operational focus to defend our vital national interests in space.
Accelerating Job Placement
In Classified Positions
(cybersecurity as an example sector)

Retaining the value and investment in existing security clearance holders

University of West Florida
CAPT Christopher A. Middleton, USN, ret.
cmiddleton@uwf.edu
(360) 632-7636

In partnership with the
West Florida Defense Alliance
and the
Tampa Bay Defense Alliance
Mr. Tim Jones, CEO, Cybrix Group
Overview (for technology employers)

- Problem: Workforce shortfalls for contracting pipeline
- Opportunity: Improve readiness-to-hire at time-of-hire
  - Delays cost employers in downtime (12-18 months for security clearance processing)
  - Example for a defense company in a low-cost area: $48K salary x 2.0 wrap = $96K (plus HR ovhd = $100K or more)
- Method:
  - Inventory the candidate - skills, employment, military occupation, military experience and learning history
  - Identify precision hiring, upskilling, placement
  - Acknowledge barriers in timing, cost and access in the legacy OPM process required by 5 CFR 731, 732 and 736
  - Accelerate the process within existing regulations
  - Leverage Tentative Job Offer (TJO) and Provisional Degree from higher-education institution to submit SF-86 or SF-85
UWF Multidisciplinary Cybersecurity Programs

Undergraduate Programs
- BS in Cybersecurity: NSA/DHS CAE Program
- BS in Information Technology: Cybersecurity
- BS in Computer Science & Software Development
- BA in International Studies: Security and Diplomacy

Graduate Programs
- MS in Cybersecurity
- MS in Information Technology: Cybersecurity
- MS in Computer Science
- MBA: Information Security Management
- MA in Political Science: Security and Diplomacy

Certificate Programs
- Cybersecurity
- Intelligence Analysis
- Information Security Management

© UWF Center for Cybersecurity, uwf.edu/cybersecurity
Strategic alignment

- Increased Executive and Federal focus on Cybersecurity readiness and talent shortfall
- Security clearances have significant value to Federal hiring base and industry
- Identifying, aggregating, preserving and placing members with clearances will accelerate the hiring cycle
- Speed, agility and public-private partnerships, including academia, are supported by nested executive and strategic imperatives
- Available Federal regulations exist to maintain program integrity and risk management
Process opportunity: 5 CFR 731, 732, 736

Current workflow for graduation and employment

- 3rd year
- 4th year and job search
- Security Clearance process 12-18 months
- Job search
- Security Clearance process 12-18 months
- Adapt timeline

Notional time of hire

Position guided by 5 CFR 732

Timeline guided by 5 CFR 736

Investigative process guided by 5 CFR 731

Security Clearance process 12-18 months

Productive national security work

- Risk management intact
- Student is in a cyber track
- TJO is conditional on degree
- Provisional degree indicates progress (lowers risk)
- SF-86 or SF-85 is submitted

- Private industry gains a ready pool of talent to support response to RFPs
- NSA/DHS CAE system guides learning content for cyber example
- Student and veteran profiles are inventoried and tracked for timing
Proposed: Pilot program (example cyber)

- Select 100-1000 cybersecurity students across the FL SUS in their third year or within one year of graduating from a NSA/DHS CAE RRC institution
- **Inventory candidate readiness**, qualifications, credentials, credits and skills sets
- **Use existing regulations** to offer a tentative job offer (TJO) and have a FL SUS institution issue a provisional degree
- With both a TJO and a provisional degree, then use available OPM regulations to **submit SF-86 or SF-85**
  - No system risk introduced or increased
  - Clearance is still adjudicated at time of hire, not sooner
  - 5 CFR investigative process advanced, in time only, to close the gap between degree or certificate complete and hire
- **Dual-track with private industry** and veteran hiring
- Assess and report outcomes
Innovations to inventory a member

- A single-page, digital, authenticated, visual and mobile-enabled platform that can document workplace and education experience, and occupational or military training and deployments
- LearnX builds off numerous existing Federal and Industrial Policy initiatives to harness emerging technologies and standards in the talent marketplace
- LearnX specifically accelerates precision hiring, advancing the education and workforce industry efforts with more effective pathway management

Accelerate - evolve from ‘resume lists’ to ‘profile’
Pilot program flow and timing

Current workflow for graduation and employment confirmed and provisional degree available through registrar

Federal agency or defense company issues tentative job offer (TJO) or part-time, co-op or research position at scale

SF-85 or SF-86 is filed. Initial background screen is very low cost

Graduation and degree conferral are on-time

Tentative job offer conditions are fulfilled

Time, budget and economic gain

RISK MANAGEMENT INTEGRITY

Private industry has a pool of talent to support response to RFPs

NSA/DHS CAE system or similar, guides learning content

Student and veteran profiles are inventoried and tracked for timing

Investigative process guided by 5 CFR 731 and OPM regulations

Learning, experience and skills inventory

Advanced timeline

3rd year

4th year

Job search

Security Clearance process 12-18 months

Productive national security work

Job search

Security Clearance process 12-18 months

Productive national security work

• Risk management intact
• Student is in a cyber track
• TJO is conditional on degree
• Provisional degree indicates progress (lowers risk)
• SF-86 or SF-85 is submitted
DEO Cybersecurity Training and Awareness Program for FL Defense Contractors

Grant awarded by the DoD Office of Economic Adjustment
DEO has received a grant by the DoD to create a cybersecurity training and assistance program for FL Defense Contractors. Over the next year DEO will:

- Promote awareness of and aid Florida’s Defense Industrial Base (DIB) in implementing the current DFARS and NIST 800-171 Standards for cybersecurity requirements, as well as general business continuity, risk management and resilience principles, and

- Allow members of the Florida DIB to understand and prepare for the Cybersecurity Maturity Model Certification (CMMC) requirements currently being developed by the DoD for implementation by all contractors doing business with the DoD beginning this year (and fully implemented within 5 years).
Conduct Regional Bootcamps:

- DEO will work with strategic local partners to engage the defense supplier community. National, state and local resources in cybersecurity training and technical assistance will also be encouraged to participate, following initial vetting and evaluation.

- Virtual or webinar capabilities will be available to allow us to conduct these sessions online as necessary during the present Covid situation.
The grant will allow us to provide funding and assistance for FL Defense Contractors to comply with the current DFARS and NIST 800-171 Standards for cybersecurity.

We will also provide additional resources for companies within the FL defense supply chain to assist them in developing best practices and planning for business continuity and resiliency.
Please Join Us!

- Partner on a Regional Event
- Host a training Boot Camp for Defense Contractors
- Host a Webinar Training Session
- Invite us to speak to your organization
- Help us spread the word to Florida’s Defense Industrial Base
Questions?
Resiliency & Encroachment Panel
1025 - 1115

That look when your coworker is trying to talk on the
Zoom meeting but doesn’t realize they are muted
• Dave Dahl, Mission Sustainment Officer, Navy Region Southeast
  o Naval Undersea Warfare Command Leesburg Facility
  o Bugg Spring Mission Assurance Efforts

• Randy Roy, Community Planning Liaison Officer, NAS Whiting Field
  o NAS Whiting Field / City of Milton Wastewater Plant
  o DCIP Facilities Resilience Application

• CAPT Harry Mautte, USCG, Commanding Officer, Base Miami Beach
  o USCG Encroachment and Incompatible Development Challenges
  o Base Miami Beach / D7 HQ / Richmond Heights

• Matt Schellhorn, Community Planning Liaison Officer, NAS JAX & Don Heaton, Range Director, FCASFAXJAX
  o Pinecastle Range Complex
  o Operations and Outreach
Naval Undersea Warfare Center (NUWC) maintains an open water facility at Bugg Spring in Okahumpka.

Acoustic measurements performed in Bugg Spring serve critical functions in the research, development and in service support of Navy SONAR systems.

- Only location that calibrates towed SONAR arrays
- Research and development will bring next generation of advanced SONAR systems to the fleet

Dense vegetation surrounding the spring and its somewhat isolated location contribute to the low noise levels and integrity of the spring.
Lake County/Leesburg Overlay District

Compatibility Issues

Maintaining an environment with little noise and vibration is critical to the mission of Naval Undersea Warfare Center (NUWC) Okahumpka. The Department of the Navy (DON) owns the land within an existing 600-foot buffer to help maintain an environment conducive to the mission of NUWC Okahumpka; however, given the sensitivity of testing equipment and anticipated growth in the region, DON would like to partner with Lake County, Sumter County, and the City of Leesburg to provide compatible land use within an extended buffer area to protect NUWC Okahumpka without impacting nearby economic development.

Background

Dr. Steven Crockett, a noise specialist, assisted DON in developing land use compatibility zones beyond the existing 600-foot buffer. These zones correspond to areas within which land uses that produce noise or vibration could affect NUWC Okahumpka. The map on the right depicts these land use compatibility zones.

Discussion

Recommended compatible and incompatible land uses within each zone are based on the American Planning Association’s (APA) Land Use Classification Standards (https://www.planning.org/Reo). The list of compatible and incompatible land uses are included in the back of this handout. Columns headings represent each zone in the buffer. Red headings represent land uses if a given land use is incompatible in a zone of the buffer, the data cell intersection will include an “X” for yes, compatible. If a given land use is incompatible in a zone of the buffer, the data cell intersection will include an “X” for incompatible.

Recommendation

- Lake County, Sumter County, and the City of Leesburg should incorporate buffer zone data as a standard layer in the county or city US census for reference in planning efforts.
- DON should partner with Lake County, Sumter County, and the City of Leesburg to draft and sign a formal agreement that the counties and city will incorporate the buffer in planning decisions.
- Lake County, Sumter County, and the City of Leesburg should incorporate the APA-based land uses on the back of this handout in planning efforts and approvals.

Proposed Buffer Zones Surrounding Naval Undersea Warfare Center Okahumpka, State of Florida

- Zone 1 Exclusion (44.2 acres)
  - Within 500 feet of the sea base
  - Existing 600-foot buffer
  - Non-covered by development

- Zone 2 Red (134.6 acres)
  - Between 500 feet and 1,700 feet
  - Bound by County Route 470 to the south and U.S. Route 441 to the west.
  - Non-covered or restricted use
  - Development restricted to single-family residential and agricultural uses with no potential for detectable levels of ground vibration

- Zone 3 Yellow (7,380.7 acres)
  - Between 1,700 feet and 2 miles
  - Legislation to provide compatible land uses to protect NUWC Okahumpka at Bugg Spring
  - Residential, commercial, and light manufacturing uses generating low-intensity ground vibration and low density of heavy trucking.
NAVAL AIR STATION WHITING FIELD

Providing for our nation’s future
Naval Air Station Whiting Field has been engaged with the City of Milton and Santa Rosa County with respect to the Office of Economic Adjustment (OEA) DCIP grant program.

- Facility located on over 43,000 acres (67 square miles).
- Operational since the 1960s.
- Footprint encompasses NAS Whiting Field, Whiting Aviation Par and Whiting Pines Navy Family Housing.
- Existing facility is above 80% capacity and projected to reach maximum capacity by 2024.

**Defense Community Infrastructure Pilot (DCIP) Program**

Naval Air Station Whiting Field has been engaged with the City of Milton and Santa Rosa County with respect to the Office of Economic Adjustment (OEA) DCIP grant program.

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- Operational since the 1960s.
- Footprint encompasses NAS Whiting Field, Whiting Aviation Par and Whiting Pines Navy Family Housing.
- Existing facility is above 80% capacity and projected to reach maximum capacity by 2024.

**DCIP Request: $6M**

Located downtown Milton in Santa Rosa County.
OEA grant application coordination/viability:

- Project is viable and essential – FEMA has already invested over $12M to protect and maximize capacity of existing facility. The State of Florida, Santa Rosa County and City of Milton have appropriated funds or approved budgets toward the site expansion project.

- Project requires approximately $31.1M to complete – the request of $6M under the OEA grant will provide the budget $ gap to complete.

- New facility will increase capacity by 140% - providing a capability and need to handle economic and military development/growth in central Santa Rosa County for decades to come.

- Completed project will be sustained through dedicated Enterprise Funds and projected revenue in anticipated community and business growth.
Summary:

✓ Grant opportunity would address an aging and “near capacity” wastewater treatment facility that dates back to the 1960s.

✓ City’s proposed project has completed several long-lead items to include match funding, design, permitting/planning and required grant program criteria elements that make it feasible, reasonable and allocable.

✓ Targeted “shovel-ready” project (if approved) will help enhance the installation’s planned mission growth and resiliency to sustain personnel, pilot training and required infrastructure.

✓ City of Milton contributions toward the effort is approximately 80% - well above the required 50% match as directed in the NDAA and OEA grant application requirements.

✓ Completed facility will eliminate 100% of treated water discharge into the Blackwater River Forest.
Encroachment on Coast Guard Facilities

Base Miami Beach: Proposed Rezoning and Residential Condo Tower Development on Terminal Island

CG Seventh District: Downtown Miami Development

CG Communications Facility: County Acquisition Attempts

15 July 2019
Base Miami Beach and Terminal Island

City Fleet Mgmt Facility

Terminal Island Proposed Location of Development
Proposed Development
Base Miami Beach Richmond Height Detachment

- Civil Engineering Unit Miami
- Base Personnel Servicing Office
- Area Housing Office
- Personal Property Shipping Office
- Medium Frequency Transmitters
- HF Transmitters & Receivers air to ground communications
- NOAA Satellite Receiver for EPIRB
PINECASTLE RANGE COMPLEX BRIEF

20 MAY 2020

Brief Presenter: Don Heaton, Director, FACSFAJCJAX
Matt Schellhorn, CPLO NAS Jacksonville

Pinecastle Range Complex
Commanding Officer: CDR Doug “Spooner” Hale
- Early 1940s, the War Department acquired 40,587 acres of Ocala National Forest for the Lake Bryant Bombing and Gunnery Range.

- June 27, 1941 A Temporary Use Permit allowed 23,167 acres for training.

- January 11, 1943 Two (2) Memoranda of Understanding to use additional 17,420 acres.

- During World War II, the range was used by U.S. Army Air Forces Command and was under Jurisdiction of the Pinecastle Army Air Field and the Orlando Army Air Base.

- Following World War II, the War Department determined the range was no longer required and relinquished to the U.S. Department of Agriculture by letter of transfer on May 20, 1947.

- August 2, 1951 U.S. Navy reacquired use of a portion of the original range (5,698 acres).
PINECASTLE RANGE COMPLEX
PINECASTLE RANGE SYSTEMS

- Weapons Impact Scoring Set (WISS)
  - Pinecastle
LAKE GEORGE TARGETS

LAKE GEORGE WATER RANGE

Training Events
- Utilized for MINEX events
- Utilized to support AMM events
- Utilized to support Helicopter advanced tactics

Approved Use
- Inert ordnance drops
- Helicopter flares

Size
- 2 miles X 7 miles.
NATIONAL ENVIRONMENTAL POLICY ACT (NEPA) COMPLIANCE

- Pinecastle Environmental Impact Statement (EIS) – 2002
- Jacksonville Range Complex EIS – 2009
- Pinecastle Supplemental Environmental Impact Statement (SEIS) – 2010
- Environmental Assessment Addressing the Expansion of the Pinecastle Range Complex Restricted Area - 2012
- Pinecastle Range Complex Environmental Assessment (EA) – Started 2018
Naval Aviation War-fighting readiness for our National Security.
2019 Fleet Exercises

- USS ABRAHAM LINCOLN COMPTUEX
- USS HARRY S TRUMAN COMPTUEX
- USS DWIGHT D EISENHOWER TSTA
- USS BATAAN ARG COMPTUEX
- 849 training missions
- 2,427 sorties
- 158,288 ordnance dropped: 278 Live High Explosive, 1,249 inert, and 156,761 20MM/30MM/50Cal/.62MM
- HMS QUEEN ELIZABETH WESTLANT 19 – UK F-35 live drops

****COMPTUEX – Composite Training Unit Exercise
****TSTA – Tailored Ships Training Availability
Fleet Tracker

- USNS Mercy (T-AH-19) (Los Angeles, Calif.)
- USS Essex (LHD-2)
- USS Nimitz (CVN-68)
- USS Abraham Lincoln (CVN-72)
- Truman CSG
- USS Gerald Ford (CVN-78)
- Bataan ARG
- Eisenhower CSG
- Ronald Reagan CSG
- Roosevelt CSG (Guam)
RANGE SUSTAINMENT ENCROACHMENT CONTROL

- Active with CPLO to monitor County Planning and Zoning Board activity.

- Lake, Marion, Volusia and Putman County adopted comprehensive land use restrictions to prevent encroachment.

- Designated Ex-Officio, Non-Voting Military Representative.
QUESTIONS?

Matt Schellhorn, CPLO NAS Jacksonville
RANGE SYSTEMS

Improved Remote Strafe Scoring System (IRSSS).
- High/Low angle targets
- 20-30MM Target Practice (TP).

Radar Acquisition Display (RADS).

MANPADS Integrated Threat Simulator/Stimulator (MITSS) SA-18 FME.

Laser Evaluator System (LES).

WEAPONS IMPACT IMAGE PLOTTING SOFTWARE (WIIPS).

Plotted Ordnance drops on Master Range Map

Plot provided to warfighters after mission.
RANGE SYSTEMS cont.

Range Safety Lighting System (RSLIS)

Target Lighting
Conventional Day/Night Target

Moving Improved Remote Strafe Scoring System (IRSSS).
- Moving target controlled remotely
- Small arms Sniper/Marksman Qual

Laser Evaluator System - Mobile (LES-M)

Laser Scoring/Evaluator System (LSVRS)

Moving Land Target (MLT)
361 Aircraft in 7 Hours
Overview

Hacking for Defense (H4D) is a semester-long course at top-tier research universities that offers the U.S. Department of Defense (DOD) leaders with the opportunity to collaborate with talented student teams to develop innovative solutions to their most pressing national security problems. The course teaches students to apply the Lean Startup methodology to solve real national security problems. Through student teams, the DOD is provided an avenue to connect with problem-solvers from academia, the private sector, and other non-traditional DOD actors.

Student Teams Working on Real-World Defense Problems

In H4D courses, interdisciplinary student teams are provided with real-world national security problems sourced from DOD agencies. Teams are instructed in and apply Lean Startup principles in order to iteratively develop and test potential solutions. By the end of the course, student teams will have conducted at least 100 stakeholder interviews and developed a mini viable product (MVP) concept that addresses the needs of their DOD problem sponsor.

From Immersive Learning to Validated Insights

For students, H4D represents an unparalleled opportunity to work on real-world national security problems in close collaboration with DOD personnel and agencies. In addition to offering this unique academic experience, partner universities have received significant publicity from engagement in H4D in top news outlets, including Foreign Policy, Forbes, Wired, Bloomberg, and the Washington Post.

For problem sponsors, involvement in H4D is a force multiplier for their toughest problems. By the end of the course, sponsors will have their problems fully validated and be provided with an MVP that aims to address their needs in addition to gaining exposure to a novel problem-solving framework and creative, outside thinking on their problem topic. In addition, problem sponsors will receive a more refined and curated problem set by the end of the course.

Past government problem topics have come from a range of organizations including the Joint Improvised Threat Defeat Organization (JIDO), U.S. Navy 3rd Fleet, the Army Asymmetric Warfare Group, the Marine Corps Warfighting Laboratory, U.S. Special Operations Command, Army Cyber Command, Air Force Office of Energy Assurance, and the National Security Agency (NSA).

For more information on participating in Hacking for Defense, email h4d@nsin.us.

More About NSIN

The National Security Innovation Network (NSIN) is a program of the U.S. Department of Defense (DoD) that collaborates with major universities and the venture community to develop solutions that drive national security innovation.

We operate three portfolios of programs and services: National Service, Collaboration, and Acceleration. Together, these portfolios form a pipeline of activities and solutions that accelerate the pace of defense innovation.

info@nsin.us | nsin.us
Got a tough hardware/software/policy problem your unit needs solved in 2020? Would you like 500 hours of free help from the best and brightest students in the U.S.? Deadline to submit your problem to be worked by NSIN is in two weeks, June 1. Apply here if you want to be considered. https://nsin.wufoo.com/forms/h4d-problem-submission/

The National Security Innovation Network, a DOD program office within the Defense Innovation Unit, is here to help with Hacking for Defense (H4D). H4D applies the innovative techniques employed by leading startups to your problems. We use interdisciplinary teams of talented students--MBAs, law, engineering, medicine, comp sci, policy--from the nation's top research institutions, putting 500 free student hours against your hardware/software problems to generate prototypes and solutions. In addition, we have partnered with existing senior capstone design programs to expand our problem solving to more schools, faster.

Across the country this past semester NSIN did dozens of projects, like helping the Air Force predict part failure, improved the Navy's medical inventory management, assisted Army Rangers in designing new UGVs and created apps to detect radio jamming for JTACs (the course was featured on NPR and this great video explains the course)

Next semester, we want to help you either through Hacking for Defense or other programs. The courses will be taught at over 20 schools nationwide, including UCF. If you want help this year, the deadline to apply is June 1st. Please click here today to be considered for the elite institutions where H4D is taught.

Or contact Mike Macedonia, mrm@ucf.edu or Tommy Sowers, tsowers@nsin.us, https://www.nsin.us/hacking-for-defense/