



# ASSURED PNT SUMMIT

APRIL 7-8, 2026 | WASHINGTON, DC

OFFICIAL AGENDA



# SUMMIT OVERVIEW

## Program Design and Goal:

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Defense Strategies Institute's 6th Annual Assured PNT Summit will convene leaders from the military services, federal government, industry, and academia in a collaborative, town hall forum to discuss the advancement and development of a robust, resilient U.S. PNT enterprise. The 2026 Summit will highlight the need to ensure PNT services are robust, resilient, and available for military, civil, and commercial users across the United States.

The United States currently relies upon a vulnerable GPS as its primary source of PNT. In order to reduce reliance on a single source of PNT and mitigate the risk of interference or cyber-attacks, the United States is pursuing ways to integrate resiliency into our national U.S. PNT enterprise. Speakers at this year's event will highlight efforts across the military and civil space to apply the PTA principle of protect, toughen, and augment GPS as well as ways to integrate complementary and additional sources of PNT. This year's event will explore the strategies, policies, and technologies needed to bolster resilience and assure PNT services for national and economic security and stability.

DSI's team specializes in the extensive research and development of our Summits' content and focus areas; we will assemble the most respected minds in the areas of GPS & PNT, from key military and civilian offices. Our non-partisan approach allows us to reach across all services and organizations to bring together a truly holistic group of decision makers and solution providers.

## Operating Guidelines:

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DSI's Summit directly supports DoD priorities by providing a conduit for officials to efficiently reach audiences outside of their respective offices that directly impact their department's mission success in an efficient expenditure of time. This Symposium will provide a forum to address internal and external initiatives, hear from partner organizations, disseminate vital capability requirements to industry, increase visibility within the larger community, and generally support their mission.

This Summit is open and complimentary to all Military, DoD, and Federal employees and is considered an educational and training forum. Industry and academia members are charged a fee of attendance.

**Summit is CLOSED TO PRESS / NO RECORDINGS**

**Agenda is current and updated as of February 3, 2026.**

# SUMMIT OVERVIEW

## General Target Audience

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U.S. Military Commands, Government Agencies, Acquisition Authorities, Government Research Labs, Industry Partners, and US Technology Solutions Providers

## Specific Topics to be Discussed

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- Ensuring U.S. Military PNT Overmatch: Policy, Governance, and Accountability Across the DoW's PNT Enterprise
- Advancing the Army's PNT Solutions to Enable Overmatch
- Accelerating Space Resiliency and Innovation: Enabling GPS and PNT as a Warfighting Capability
- Taking a Multi-Layered Approach to Add Resiliency to the U.S. PNT Architecture
- Assuring PNT by Countering Jamming, Spoofing, and Cyber Threats
- Exploring Commercial and Civil PNT Applications
- Navigating a Contested Maritime Environment: Assured PNT for the Fleet

## VENUE:

1201 15th St NW,  
Washington, DC 20005



# SUMMIT SCHEDULE

## DAY 1: TUESDAY, APRIL 7

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7:30—8:30 AM	<i>Registration and Light Breakfast Reception Open</i>
8:30—8:45 AM	<b>Chairperson Opening Remarks</b> Hexagon NovAtel ( <b>Confirmed</b> )
8:45—9:00 AM	<b>Moderator Opening Remarks</b> <b>Dana Goward (Confirmed)</b> President, Resilient Navigation & Timing Foundation
9:00—9:40 AM	<b>Accelerating Space Resiliency and Innovation: Enabling GPS and PNT as a Warfighting Capability</b> <ul style="list-style-type: none"><li>• Exploring the Space Force's role in assuring PNT technologies that ensure the Warfighting advantage</li><li>• How the Space Force is using, maintaining, and augmenting existing GPS infrastructure</li><li>• Training and equipping Guardians to fight in contested, PNT-degraded environments</li><li>• Partnering with industry, allies, and key stakeholders to drive collaboration, innovation, and resiliency across PNT architecture</li></ul> <b>General Shawn Bratton, USSF (Invited)</b> Vice Chief of Space Operations, US Space Force
9:40—10:20 AM	<b>Developing and Delivering Resilient, Robust Space and PNT Capabilities for a Contested Domain</b> <ul style="list-style-type: none"><li>• Ensuring US PNT capabilities are resilient and consistent against the evolving threat environment</li><li>• Fielding the next generation of GPS satellites and user equipment that deliver resilient PNT services to maintain continuity of operations across military and civilian applications</li><li>• Modernizing navigation warfare systems to stay ahead of and counter growing adversarial threats</li><li>• Integrating complementary and alternative PNT sources into the broader resilient space architecture</li></ul> <b>Erin Carper (Confirmed)</b> PEO, Military Communications & Positioning, Navigation, and Timing, Space Systems Command
10:20—10:30 AM	<b>Tech Talk: TUALCOM</b>



# SUMMIT SCHEDULE

## DAY 1: TUESDAY, APRIL 7

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**10:30—11:10 AM**      **Networking Break & Exhibits**

**11:10 AM —11:40 AM**   **Industry Session**

**11:40 AM —12:40 PM**   **Panel 1: Taking a Multi-Layered Approach to Add Resiliency to the U.S. PNT Architecture**

The United States recognizes the imperative of ensuring resiliency in contested environments and is exploring how to integrate GPS, LEO satellites, terrestrial, and alt-PNT systems to toughen, strengthen, and augment the PNT architecture. This panel will bring together experts from across the community to discuss how to increase the resiliency of the U.S.'s PNT architecture. Speakers will address the need for a multi-layered approach and options for complementary and alternative sources of PNT in addition to space-based PNT.

**Moderator:**

**Col (Ret) Eric Felt, USSF (Confirmed)**

President, Felt Consulting; Former Director, Space Systems Engineering, Office of the Assistant Secretary of the Air Force for Space Acquisition & Integration

**Panelists:**

**Lt Col David Edsen, USSF (Confirmed)**

SYD 831, Space Systems Command

**CDR Mike Ammendola, USN (Confirmed)**

Director, Navigation Cell, Space Development Agency

**Willie Nelson, SES (Ret) (Confirmed)**

Former Director, Army APNT CFT; Chief Strategy Officer, T2S Solutions

**John Langer (Confirmed)**

Associate Principal Director, Enterprise Design, The Aerospace Corporation

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### Exhibitor

Showcase your technology with a  
tabletop exhibit. Includes 2x  
registrations, and more.

Contact Amanda Delgado at [adelgado@dsigroup.org](mailto:adelgado@dsigroup.org) for details.

# SUMMIT SCHEDULE

## DAY 1: TUESDAY, APRIL 7

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**12:40—1:40 PM**      **Networking Lunch**

**1:40—1:50 PM**      **Tech in Ten: VIAVI**

**1:50—2:30**      **Prioritizing PNT: The UK's Efforts to Establish a National Core Resilient and Robust PNT Architecture**

- Developing PNT systems across multi-domains that are independent of satellite signals and hard to jam and spoof, including eLoran systems
- Supporting the UK's first nationally-distributed time infrastructure to boost resilience and integrate new technologies like 5G
- Taking a multi-layered approach to incorporate multiple, diverse PNT sources and monitor GNSS signals

**Michael Pigott or Senior Representative (Confirmed)**

Deputy Head, National Positioning, Navigation & Timing (PNT) Office  
International Research and Innovation Directorate, UK Department for Science, Innovation & Technology

**2:30—3:30 PM**      **Panel 2: Assuring PNT by Countering Jamming, Spoofing, and Cyber Threats**

This panel will explore the growing threat of GPS and PNT jamming and spoofing the U.S. faces across all-domains. Panelists will discuss the imperative of strengthening the cybersecurity of PNT architectures to withstand jamming, spoofing, and cyber attacks from a variety of actors who are using low-cost, proliferated jammers, sophisticated spoofing techniques, and cyber-attacks to disrupt navigation, timing, and targeting capabilities of US military, civil, and commercial users.

**Moderator:**

**Clay Mowry (Invited)**

CEO, American Institute of Aeronautics and Astronautics

**Panelists:**

**James Freik (Confirmed)**

Vice Chair, Moorman Center for Space Studies, National Security Space Association

**Robert Hoffman (Confirmed)**

Director, Joint Navigation Warfare Center, US Space Force

**Ernest Wong (Tentative Confirmed)**

Technical Lead for PNT, DHS S&T

**Lt Col Stephen Jimenez, USAF (Invited)**

PNT OUSW R&E

**Michael Roskind (Invited)**

PNT Program Manager, National Risk Management Center, CISA

**Raymond Resendes (Invited)**

Principal Technical Advisor, Cybersecurity, U.S. DOT Volpe Center

**3:30—4:10 PM**      **Networking Break & Exhibits**

# SUMMIT SCHEDULE

## DAY 1: TUESDAY, APRIL 7

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4:10—5:10 PM

### Panel 3: Quantum Technologies for GPS-Denied Environments

Quantum technologies are rapidly advancing from research to development and offer an opportunity to assure PNT. This session will explore breakthroughs in quantum technologies that deliver positioning, navigation, and timing capabilities in GPS-denied or degraded environments. Speakers will share the current state of the technology and remaining challenges to fielding it as well as how the DoW, federal government, and industry are accelerating the research and development of quantum PNT into operational environments.

#### Moderator:

**Constanza M. Vidal Bustamante, PhD (Confirmed)**

Fellow, Technology and National Security Program, CNAS

#### Panelists:

**Leah Kirkwood, SES (Confirmed)**

PEO for Electronic Systems, Air Force Life Cycle Management Center

**Mary Burkey, PhD (Confirmed)**

Physicist, Lawrence Livermore National Laboratory

**John Burke, PhD (Confirmed)**

Chief Product Officer, Beacon Photonics; Former Principal Director for Quantum Science, OUSW R&E

**Kartik Srinivasan, PhD (Invited)**

Project Leader and NIST Fellow, Photonics and Optomechanics Group, and Fellow NIST/ University of Maryland Joint Quantum Institute

5:10 PM

**End of Day 1**

# SUMMIT SCHEDULE

## DAY 2: WEDNESDAY, APRIL 8

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**8:00—8:30 AM**      *Registration and Light Breakfast Reception Open*

**8:30—8:45 AM**      **Chairperson Opening Remarks**

Hexagon NovAtel

**8:45—9:00 AM**      **Moderator Opening Remarks**

**Dana Goward (Confirmed)**

President, Resilient Navigation & Timing Foundation

**9:00—9:40 AM**      **Advancing the Army's PNT Solutions to Enable Overmatch**

This session will examine what the Army is doing to deliver modular, open-system assured PNT technologies that enable navigation and targeting capabilities in multi-domain operations. The session will address acquisition, technology, and strategy updates as well as partnership efforts aimed at boosting PNT resiliency across the Army's lines of effort.

**Christopher Jais (Confirmed)**

Project Manager, PM PNT, CPE IEW&S

**James Bamburg (Invited)**

Aviation Mission Systems & Architecture Project Manager, CPE Aviation

**COL Alicia Johnson, USA (Invited)**

Project Manager, PM CAS, JPEO A&A

**9:40—10:20 AM**      **Strengthening Joint Force Readiness by Prioritizing a Resilient, Robust PNT Architecture**

- Emphasizing the role of PNT in underpinning every joint Warfighting function
- Identifying PNT operational requirements and integrating PNT resilience into joint warfighting concepts
- Ensuring Warfighter readiness in GPS-denied environments by building a robust, resilient, multi-layered PNT architecture with alternative and complementary sources

**General Christopher Mahoney, USMC (Invited)**

Vice Chairman of the Joint Chiefs of Staff

**10:20—10:50 AM**      **Industry Session**

**10:50—11:30 AM**      **Networking Break & Exhibits**



# SUMMIT SCHEDULE

## DAY 2: WEDNESDAY, APRIL 8

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### 11:30 AM—12:30 PM **Panel 4: Exploring Military, Commercial, and Civil PNT Applications**

Speakers on this panel will address how civil and commercial users rely on PNT services and their efforts to add resiliency to the enterprise. GPS underpins modern day aviation, maritime, highway, rail, telecommunications, finance, energy, healthcare, and emergency services operations. This panel will highlight the real-world applications of PNT for civil and commercial users and efforts across the community to advance a robust national PNT ecosystem. Speakers will address their organization's efforts to strengthen resilience against jamming and spoofing, develop alt-PNT capabilities, and maintain continuity of operations should GNSS become unavailable.

**Moderator:**

**Zak Kassas, PhD (Confirmed)**

TRC Endowed Chair in Intelligent Transportation Systems; Professor in the Department of Electrical and Computer Engineering, The Ohio State University

**Panelists:**

**Kevin Coggins (Confirmed)**

Deputy Associate Administrator and Program Manager for the SCan Program, NASA

**Chris Erickson, PhD (Confirmed)**

(Incoming) Director, Office of Positioning, Navigation, and Timing (PNT) & Spectrum Management, Department of Transportation

**Ken Alexander (Tentative Confirmed)**

Chief Scientific and Technical Advisor for Satellite Navigation Systems, Federal Aviation Administration

**Larry Parten (Invited)**

NTS-3 Program Manager, Integrated Capabilities Directorate, AFRL

**Clark Taylor, PhD (Invited)**

Director, Autonomy & Navigation Technology (ANT) Center

**Rear Admiral Erin Acosta, USN (Invited)**

Commander, Naval Meteorology and Oceanography Command

### 12:30—1:30 PM **Networking Lunch**

# SUMMIT SCHEDULE

## DAY 2: WEDNESDAY, APRIL 8

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**1:30—2:10 PM**

### **Navigating the Way: The Coast Guard and PNT in the Marine Transportation System**

- Partnering with organizations across the DoW, federal government, academia, and industry to integrate emerging, robust technologies for resilient PNT
- Exploring lessons learned from real-world disruptions to maritime navigation and communications
- The role of PNT in enabling the Coast Guard's mission of ensuring the safety and security of U.S. waterways

**CAPT Margaret Kennedy, USCG (Confirmed)**  
Commander, Coast Guard Navigation Center

**2:10—3:10 PM**

### **Panel 5: A Whole of Enterprise Effort: Assuring PNT for Multi-Domain Operations**

PNT is central to joint fires, C2, logistics, autonomous systems, EW, and cyber efforts across multi-domain operations. This discussion will highlight the importance of interoperability and synchronization of effort in developing a resilient PNT enterprise. Speakers will address the need to collaborate across DoW, federal government agencies, industry, academia, and other key stakeholders to develop standards, policies, T&E infrastructure, and partnerships that ensure trusted, resilient PNT across the Joint Force.

#### **Moderator:**

**Dr. Derek Tournear (Confirmed)**  
Director of Space Innovation, Auburn University

#### **Panelists:**

**Andy Proctor, PhD (Confirmed)**  
Director, RethinkPNT; Chair, PNT Advisory Group, Royal Institute of Navigation

**Harold "Stormy" Martin, SES (Tentative Confirmed)**  
Director, National Coordination Office (NCO) for Space-Based PNT

**Dr. J.N Nikki Markiel, DISL (Invited)**  
Senior GEOINT Authority for Geomatics, NGA

**Chad Pinkelman (Invited)**  
Head of PNT Division, NIWC Pacific

**Todd Pennington (Invited)**  
Senior Research Fellow, Space Strategy and Policy, Institute for National Strategic Studies, National Defense University

**Kevin Westburg (Invited)**  
Deputy Director, Operational Test and Evaluation, Space and Strategic Warfare, DOT&E

**3:10 PM**

**End of Summit**