



SPACE-BASED POSITIONING  
NAVIGATION & TIMING  
NATIONAL ADVISORY BOARD

# Communications and External Relations

24 April 2024

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## Primary Audience

DOD Dep Sec Hicks

DOT Dep Sec Trottenberg

NSC Director Durkovich

## Influencer Audience

Congress

Public



## Internal Recommendations Pending

- PNT Advisory Board website separate from GPS.gov
  - Pends NASA coord and action w/ NCO
- PNT Advisory Board LinkedIn Account
  - Pends NASA General Counsel opinion
- 75% of PNT Advisory Board meetings in DC area, close to city to enable officials to attend
  - Pends NASA analysis and response.
- Meet with SPG & Space Council's Users' Advisory Group's National Security Subcommittee
  - National security PNT concerns



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## Raising Awareness

On line 28 March 2024

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### PNT Advisory Board at 20: Still serving up big ideas

March 28, 2024 - By [Dana Goward](#) Est. reading time: 2 minutes

- Quickly prototype a GNSS interference detection and reporting system.
- Implement an internet-based High Accuracy and Robustness Service (HARS) for GPS.
- Relax export controls that currently restrict use of adaptive anti-jam antennas.

These are just three of the efforts the U.S. government is pursuing as a result of recommendations from the President's National Space-based Positioning, Navigation and Timing (PNT) Advisory Board.

For 20 years the PNT Advisory Board has been providing the government independent expert advice about GPS and PNT.

Established by presidential directive in 2004 and administered under the Federal Advisory Committee Act by NASA, its charter has been regularly renewed. The charter provides that the board shall:

**TUALAJ 4100-MINI**

**Precision in Protection:  
The Ultimate  
Anti-Jam Solution**



## Communicating Recommendations

- GPS Infrastructure Program is fixed long term.
  - No appetite to modify GPS satellites, signals, control segment.
  - DOD & commercial LEO on-going
  - DOD litesat/nibblesat efforts seem to be in progress
  - Recommendations on infrastructure likely unproductive.
- Recommendations wrt GPS should be near-term, practical, and affordable
  - Examples: HARS, policies relative L-5 activation, responsible usage of more capable receivers.
  - Perhaps separate annex for longer term recommendations wrt infrastructure (satellites, signals, etc.)



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## Communicating Recommendations

Compelling cause(s) for action

### **The United States is losing the PNT race to China.**

- China has significant strategic and tactical hard power advantages.
  - Ex: Threats to US infrastructure.
- China 5-year plan to woo users away from GPS & US PNT, eroding American leadership.
- PNT crucial in great power competition.

Action needed

### **Whole of government effort**

- Good work on-going in lots of places.
- Current PNT governance unsuitable for changed world.

