

# Education & Science Innovation (ESI)

## Members:

- Jade Morton, Chair
- Terry Moore, 1st Vice-Chair
- Todd Walter, 2nd Vice-Chair
- Renato Filjar, Tim Murphy, Russ Shields

Focus: US PNT workforce education and training

# January 2024 ESG Response to Previous ESI Recommendations

## Recommendation from 2023:

- USG to invest in the future of U.S. PNT education and training.

## Response:

- On-going PNT education/training efforts
  - Research focused with a teaching component
  - 2 DOT centers, \$2M/year/center for 5 years
  - NGA and NGS established Geodesy consortiums
- Planned discussion with other approaches across government.
  - Progress update

# National PNT Advisory Board – 30<sup>th</sup> Meeting, May 2024

## ESI Subcommittee Recommendation

- **Recommendation:**

- ESG to work with NASEM on a study to gather the evidence on the need for PNT research, education, and training, and required technologies, in comparison with related international activities, and develop a road map for future PNT skilled work force.

- **Response?**



# National PNT Advisory Board – 31<sup>st</sup> Meeting, Dec 2024

## ESI Subcommittee Recommendation

- Establish US national PNT training programs
  - Recognizing there is a large non-PNT technical community
  - Examples: military personnel, government laboratory staff, industry employees
  - Examples of existing models:
    - ESA/JRC summer school: 2-week general introduction, networking, teamwork
    - Africa outreach workshop: 2-week specialized topics with hands-on projects
    - Northrup Grumman scholar in residence program: varying length classwork
    - NavtechGPS: multi-day lectures
  - How and Who?
    - Follow on PNT AB discussion
    - Welcome other PNT AB members to join the discussion

