

Education & Science Innovation (ESI)

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Focus: US PNT workforce education and training

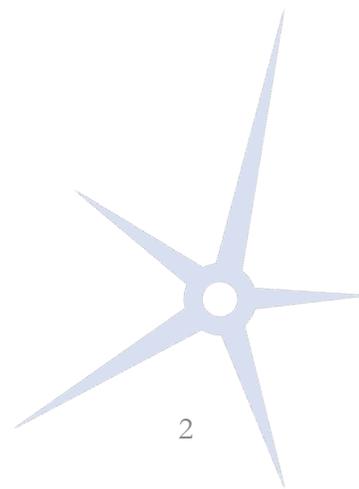
- Assess current state and future needs
- Make actionable recommendations

May 2023 Recommendation and ExCom Response

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

Response:

- ESG has on-going PNT education and training efforts
- Will discuss other potential approaches across government
- 2 DOT centers, \$2M/year/center for 5 years
- NGA and NGS established Geodesy Community of Practice
- NGS offered \$4M geospatial modeling grant
- NCO STEM outreach activities
- ICG supported international workshops



National PNT Advisory Board – 30th Meeting, April 2024

ESI Subcommittee Recommendation

- **Perception:**

- Other countries are gaining on the U.S. or are already ahead in PNT R&D, Education, and Training investment
- Current US PNT research, education, and training have not met industry need

- **Recommendation:**

- ExCom 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**.

- **Reasons for Recommendation:**

- To provide a more established, and coordinated, evidence base to support requests for increased funding to address the PNT related skills, education and training need.
- To provide a cost-effective and implementable approach to address industry need.

- **Consequences of No Action on the Recommendation:**

- The US PNT skills gap will continue to grow to potentially critical levels

