

National PNT Advisory Board Protect, Toughen, Augment Subcommittee Recommendation 4 May 2023

- **Title of Recommendation:** Commitment to Prompt Removal of Significant Interference to GPS Reception
- **Finding:**
 - Significant events of terrestrial-based interference to GPS reception continue to occur. Although most to date have been accidental, intentional ones are possible. Despite decades of concern, there is no nationwide capability to detect and remove such significant interference sources, and an insufficient sense of urgency to field such a capability. The DoT is undertaking an effort to detect and locate significant interference sources. Removing interference, however, is a complicated interagency process that needs to be streamlined.
- **Recommendation:**
 - EXCOM publish a commitment this year, stating that by 2026 no significant terrestrial-based interference event affecting GPS reception in the United States will persist for more than **one day**, because the DoT-led interference detection process, combined with a streamlined removal process instituted under EXCOM leadership, will have stopped the interference.
- **Reasons for Recommendation:**
 - Critical infrastructure users of GPS are being encouraged to toughen and augment in case of GPS interference. Confidence that any interference events will be of limited duration will encourage and enable adoption of practical and cost-effective backups and alternate procedures.
- **Consequences of No Action on the Recommendation:**
 - The U.S. will continue to be subjected to significant, long-lasting terrestrial-based interference events that disrupt GPS use important to economic activity and safety of life.

