

Recommendation for Committee Decision

Prepared by: Working Group S

Date of Submission: 19 October 2023

Issue Title: Incorporation of Emerging Low Earth Orbit (LEO) PNT Providers into ICG

Background/Brief Description of the Issue:

Recognizing:

- The emergence of numerous new entities intending to provide PNT services, many utilizing Low Earth Orbit (LEO) satellites;
- The vital role played by ICG in promoting coexistence, cooperation, interoperability, and standardization among space-based PNT providers;
- The need for any PNT provider to thoroughly and transparently document expected and/or committed levels of performance to bolster confidence and promote adoption of the provider's services; and
- New providers' activities logically being relevant to the activities and responsibilities of several ICG Working Groups,

Working Group S should incorporate the views of LEO PNT system providers into its activities and work on ways to better interact with these providers.

Discussion/Analyses:

The plans for LEO PNT systems need to be better understood. The Workshop organized by WG-S in June 2023 attempted to gather information about the systems, but it has become apparent that further engagement and coordination is needed to ensure compatibility and interoperability with the existing GNSS providers.

Recommendation of Committee Action:

ICG members should consider inviting domestic LEO PNT system providers (governmental and non-government) to participate in the ICG activities and its relevant working group meetings. This participation could be in various forms, including requesting ICG Observer Status if interested.

To further the discussions that took place at the June 2023 LEO PNT Workshop, WG-S will organize another workshop focused on matters of both interoperability and compatibility. WG-S leads for the Workshop will be China, U.S. and ESA.

Members Consensus Reached _____; **No Consensus Reached** _____

Chairperson Signature: _____ **Date:** _____