

GPS Modernization Program - Current Status and Plans

Hothem, L.

National Space-Based PNT Coordination Office, UNITED STATES

GPS, an active program for over 30 years and characterized by consistent, predictable, and dependable performance as a global utility, continues to evolve as a modernized component of the GNSS. The 2004 U.S. Space-Based Positioning, Navigation, and Timing (PNT) policy responds to changing international conditions and the worldwide growth of GPS applications. The 2004 PNT Policy ensures continued continuity in the U.S. national management of GPS as a dual-use civil and military system, a partnership that maintains GPS as a modernized global utility and providing a solid foundation for international use by the civil community. The paper provides an overview on: current GPS constellation status and performance, improvements in GPS (L2C and L5) that are or will soon become available to the civil worldwide users, goals for the next generation system of satellites (GPS-III), pending design for the new L1C signal, current GPS modernization schedule, international coordination activities, and U.S. national policy update and the National Space-Based PNT Coordination Office - <http://pnt.gov>.