



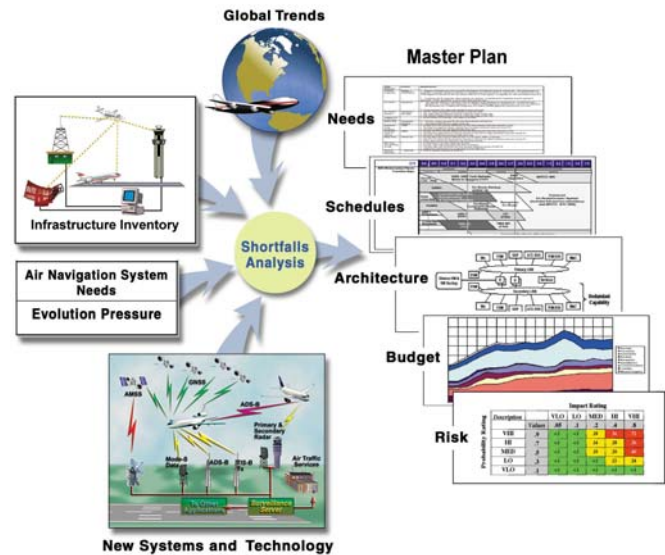
CNS/ATM Master Plan

A Communications, Navigation, and Surveillance/ Air Traffic Management (CNS/ATM) master plan is a plan for a needs-driven, economically justified, evolutionary system and modernization. The Plan must: (1) sustain systems necessary to maintain existing level of service; (2) introduce new operational procedures, technologies, and automation concepts necessary to meet user and operator needs; and (3) introduce appropriate program management structures for successful implementation of the Plan. Development of the Plan is shown in the Planning Process figure.

Why Have a CNS/ATM Master Plan?

International Civil Aviation Organization (ICAO) members have long understood that promoting air commerce is a key to their economic development. While currently stagnant due to events, air traffic is expected to resume significant growth over the remainder of the decade. The existing Air Traffic Control (ATC) infrastructure will need to undergo significant change to support this growth and to accommodate new technologies. The aviation environment is rapidly changing and ICAO members must adaptively respond to these changes in order to harmonize CNS/ATM systems across the national boundaries.

The long-term CNS/ATM Master Plan will provide for a systematic process to prioritize and balance investments. Several infrastructure changes already have been implemented in air commerce around the world. Space-based CNS technologies have made ATC systems more interdependent across national boundaries. ATC system enhancements, however, often require investments in avionics. Consequently, infrastructure enhancements are highly dependent on a common understanding between Civil Aviation Authorities and the aviation user community.



MITRE/CAASD Experience in Master Planning

The MITRE Corporation's Center for Advanced Aviation System Development has focused not only on development of new CNS/ATM technologies necessary to enhance capacity and efficiency of global aviation systems, but also in the end-to-end, operational performance of the resulting integrated systems. We understand global trends and worldwide aviation needs. We have experience in budgeting, schedules, and risk management on both small and large scale airspace system projects.

For more information, contact:

Fran Hoover
Information Management Specialist
+1.703.983.5912