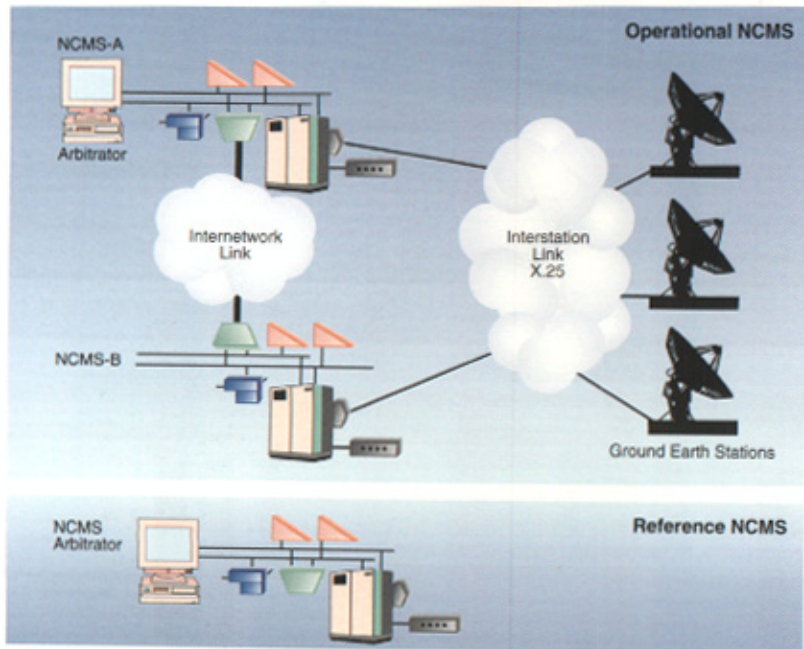


INMARSAT AERO NETWORK CHANNEL MANAGEMENT SYSTEM

COMSAT Laboratories designed and developed an aeronautical Network Channel Management System (NCMS) for Inmarsat. The new NCMS makes more efficient use of the available spectrum while maintaining or improving the quality of service and maximizing conformance to safety standards.



For network resources management, the Laboratories-designed optimization algorithms that are capable of adaptive operation in a priori block assignment and/or on-demand assignment modes, based on traffic load conditions. The NCMS is also responsible for maintaining Regional Location Register aeronautical earth station log-on databases with interconnection capability to the Inmarsat Mobility Management System.

COMSAT Laboratories developed Inmarsat's fully integrated NCMS.