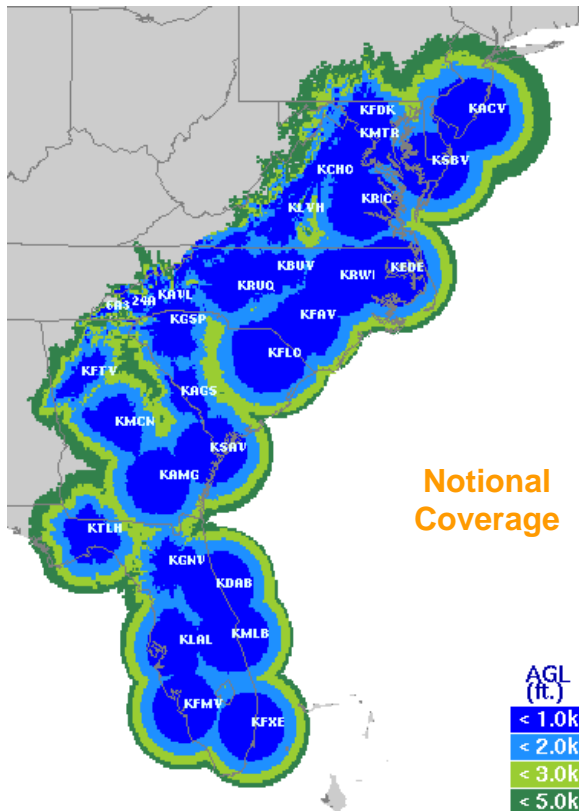




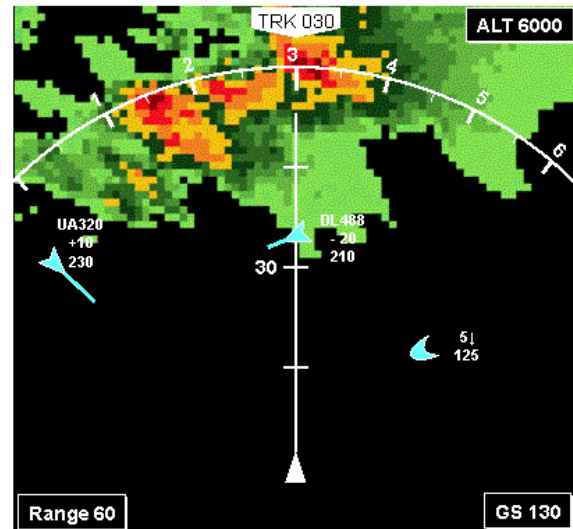
East Coast – ADS-B Broadcast Services Implementation

Overview

Over the next several years, the Federal Aviation Administration (FAA) will begin to provide no-fee weather and traffic broadcast services to pilots flying along the East Coast of the United States as part of the FAA's continuing development of Automatic Dependent Surveillance - Broadcast (ADS-B). Broadcast services will be available at key sites between Atlantic City, New Jersey and Miami, Florida. The deployment of these broadcast services will help pilots operate their aircraft as safely as possible by providing real-time text and graphical weather/traffic information on a single, multi-purpose data link.

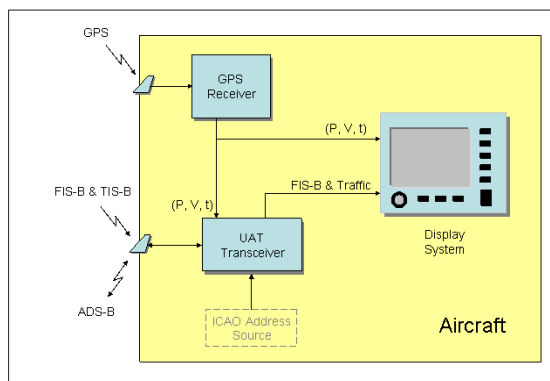


The use of broadcast services will show other air-to-air traffic, including radar-derived traffic, in the vicinity of your aircraft. This can also be combined with next-generation radar (NEXRAD) reflectivity to provide an integrated picture of traffic and weather. As illustrated above in this typical moving map display, equipped users see both weather and traffic information relative to own aircraft position and direction of flight.

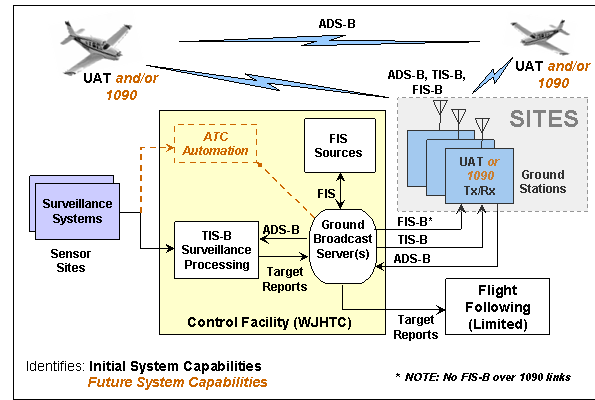


The graphic above shows three other aircraft traffic symbols relative to your current aircraft track. A data block with relative altitude and airspeed identifies each of these traffic symbols. These services are provided by Automatic Dependent Surveillance-Broadcast (ADS-B) and Traffic Information Service-Broadcast (TIS-B). ADS-B supports air-to-air traffic situational awareness. TIS-B provides uplinks of FAA surface radar derived traffic. In addition to NEXRAD, weather products like Meteorological Aviation Reports (METARS) and Terminal Area Forecasts (TAFS) will be provided and displayed in text format

UAT ground stations continuously broadcast the latest weather and traffic information. Equipped aircraft receive the broadcasts and display the desired information for the selected area of interest.



The FAA's ground support system will be operated centrally from the William J. Hughes Technical Center (WJHTC) in Atlantic City, New Jersey. Information from FAA radars, various weather products, and ADS-B traffic will be collected at the WJHTC where it will be distributed as required to the proper ground stations.



Ground stations are planned to be in operation at key sites along the East Coast by the end of 2004.

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