Purpose: Older terminal radar systems do not meet the air traffic requirements for coverage and capacity.

Also, these radars are obsolete, not logistically supportable, and do not provide digital inputs to the new terminal automation system. The ASR-8 Upgrade project will digitize the ASR-8 analog data to support interface to the new Standard Terminal Automation Replacement System (STARS).

BACKGROUND
With the procurement and implementation of new digital automation equipment (i.e., STARS), terminal radar systems will be required to provide a digital surveillance output. The decision was made to replace these older radar systems with the new digital ASR-11. However, the ASR-11 may not be in place before STARS is installed at the impacted sites. To mitigate the potential risk, the TDX-2000d target extractor was suggested to be used with the ASR-8 to provide the digital radar signals to the impacted sites until the ASR-11 was integrated into the site.

KEY PROJECTS
The ASR-8 Interim Digitizer Program consists of a Target Data Extractor (TDX-2000d) and an ARTS Interface Unit (AIU).

KEY ACCOMPLISHMENTS
• Completed an ASR-8 Digitizer Performance Assessment Plan (DPAP)
• Published T&E test plan
• Completed dedicated flight tests at William J. Hughes Technical Center

STATUS
System testing is currently in progress at the William J. Hughes Technical Center.

PLANS
Final T&E report will be completed in the second quarter of 1999.

DIVISION/BRANCH RESPONSIBILITIES
ACT-310 is responsible for the Test and Evaluation (T&E) of the system.

For more information, contact:
Federal Aviation Administration
William J. Hughes Technical Center
Atlantic City International Airport, NJ 08405
Phone: (609) 485-5392
Fax: (609) 485-5995
www.tc.faa.gov