

# FAA William J. Hughes Technical Center

## Airport Surveillance Radar, Model 8 (ASR-8) Interim Digitizer Program

*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:

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