

## ATC Engineering and Test Division ACT-200 Standard Terminal Automation Replacement System (STARS)

*The Standard Terminal Automation Replacement System (STARS) program provides a new terminal automation system that uses a modern commercial open architecture that solves the existing capacity problems and meets future terminal air traffic control (ATC) needs.*



STARS will be used to support both primary and secondary radar target identification, maintenance of target identity, radar separation, traffic and weather advisory services, and navigation assistance to participating aircraft in all Terminal Radar Approach Control (TRACONS). STARS will also provide full ATC operational functionality equivalent to that of the TRACON in all tower cabs. STARS data display will include aircraft positional data, aircraft status, flight plan information, and general information. STARS will continue to provide safety functions such as Conflict Alert (CA), Mode-C Intruder (MCI), and Minimum Safe Altitude Warning (MSAW). Supervisory and traffic management specialists will use STARS for operational oversight to support real-time air traffic control. STARS includes an emergency service capability to provide uninterrupted ATC operations in the event of a failure to the full service system.

### KEY ACCOMPLISHMENTS

- Contract Award Configuration (CAC) and Integration and Installation (I&I) testing completed on two STARS Systems.
- Completion of STARS Test and Evaluation Master Plan (TEMP).

- STARS laboratory enhancements. These enhancements included the construction of walls and canopies for housing controller display equipment.
- Installation of STARS Transition Laboratory. The lab is equipped to test and evaluate the new requirements for STARS Early Display Configuration (EDC) as well as testing the transition phases involved with STARS field implementation.
- Completed upgrades to the STARS Engineering Laboratory by enhancing test tool capabilities and the potential of accommodating additional radar inputs.

The operational test and evaluation test procedures for the early display configuration is under development.

For more information on the Standard Terminal Automation Replacement System (STARS), contact:

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