

Airport Movement Area Safety System (AMASS)

Purpose: *The purpose of AMASS is to increase safety on the airport movement area.*

The AMASS augments ASDE 3 with a state-of-the-art, automated alerting system. In less than one second, AMASS tracks all ground operations, compares each movement, and automatically provides visual and audio alert of potential conflicts or even the slightest deviation in airport procedures.

BACKGROUND

AMASS is an enhancement to the Airport Surface Detection Equipment (ASDE-3) radar currently being built. The system will provide automatic conflict alerts (both aural and text) to assist tower controllers in reducing runway accidents. The system will provide alerts involving possible conflicts of aircraft on the runway and on the close approach path with other aircraft / vehicles / obstacles on or near the runway.



KEY PROJECTS

- Full-Scale Development AMASS
- Production AMASS

KEY ACCOMPLISHMENTS

- Deployed a prototype AMASS at San Francisco International Airport
- Signed a contract to develop three full-scale development (FSD) AMASS systems
- Signed a production contract



Efficiency
System



System Efficiency



STATUS

A phased development and testing of the three FSD AMASS systems has begun.

PLANS

- Complete development tests on the three FSD AMASS systems
- Complete production test and acceptance tests on the first production AMASS system
- Conduct operational tests on the three FSD systems

DIVISION/BRANCH

ACT-310 is responsible for AMASS system testing.

For additional information, contact:

Airport Movement Area Safety System (AMASS)

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