ASDE-X

Outlook

- The ASDE-X Program is a U.S. FAA undertaking to install the ASDE-X surveillance system at 35 airports in the U.S.

- The ASDE-X system has been installed at 35 airports in the United States

- With installation completed, this report will be archived in August 2011

Funding Forecast 2010-2019

	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019
US$M	25.30	4.20	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
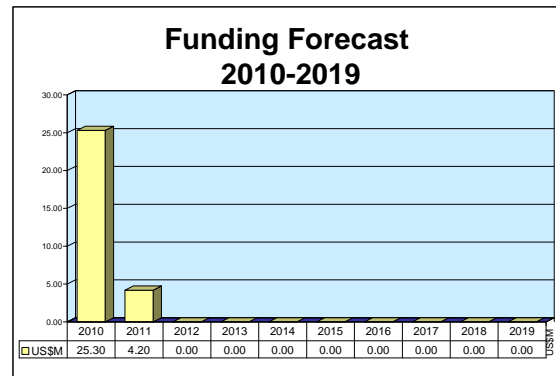
Orientation

Description. The Airport Surface Detection Equipment - Model X (ASDE-X) Program is a U.S. Federal Aviation Administration endeavor to install the ASDE-X airport surface surveillance system at 35 airports in the United States.

The ASDE-X system provides multi-sensor airport surface surveillance with identification and conflict alerting to air traffic controllers.

Sponsor

U.S. Federal Aviation Administration
  800 Independence Ave SW
  Washington, DC 20591
  USA
  Tel: + 1 (202) 267-3484
  Web site: http://www.faa.gov

Status. In service.

Application. Airport surface surveillance.

Contractors

Prime

Sensis Corp	http://www.sensis.com, 5793 Widewaters Pkwy, Dewitt, NY 13214 United States, Tel: + 1 (315) 445-5712, Fax: + 1 (315) 445-9401, Prime (Installation)

Comprehensive information on Contractors can be found in Forecast International's "International Contractors" series. For a detailed description, go to www.forecastinternational.com (see Products & Samples/Governments & Industries) or call + 1 (203) 426-0800.

Contractors are invited to submit updated information to Editor, International Contractors, Forecast International, 22 Commerce Road, Newtown, CT 06470, USA; rich.pettibone@forecast1.com

Technical Data

ASDE-X

According to a U.S. Federal Aviation Administration (FAA) budget document, the ASDE-X is a surface surveillance system that provides multi-sensor airport surveillance with identification and conflict alerting to air traffic controllers. The ASDE-X system integrates five technologies: transponder multilateration, surface movement radar, Automatic Dependent Surveillance – Broadcast (ADS-B) data, multi-sensor data fusion, and control tower display equipment. The integration of these sensors provides data with the accuracy, update rate, and reliability suitable for improving airport safety and efficiency in all weather conditions. The ASDE-X is particularly useful as a traffic control aid during hours of darkness and other conditions of poor visibility.

The ASDE-X was developed to aid in preventing surface collisions and reducing critical Category A and B runway incursions by enabling air traffic controllers to track the surface movement of aircraft and vehicles. The ASDE-X provides air traffic controllers with a visual representation of the traffic situation on the airport movement area and arrival corridors. This improves their ability to maintain awareness of the operational environment and to anticipate contingencies.

Under the Airport Surface Detection Equipment - Model X (ASDE-X) Program, the U.S. FAA plans to install 35 operational ASDE-X systems and 3 ASDE-X support systems.

Program Review

In FY10, the U.S. Congress appropriated some $25.3 million for the ASDE-X Program for ASDE-X system implementation activities. These activities included construction and site preparation, equipment installation, and ASDE-X system optimization at 14 airports.

For FY11, the U.S. FAA is requesting $4.2 million from the U.S. Congress for the ASDE-X Program for completion of ASDE-X system implementation activities. These activities include construction and site preparation, equipment installation, and ASDE-X system optimization at three airports (LaGuardia, Memphis, and Las Vegas airports).

Funding

U.S. FUNDING

	FY10 QTY	FY10 AMT	FY11 QTY	FY11 AMT
Facilities and Equipment (U.S. FAA)				
Budget Item 2B01				
Airport Surface Detection Equipment – Model X (ASDE-X) Program	-	25.30	-	4.20

All $ are in millions.

Source: U.S. Federal Aviation Administration FY11 Budget Document

Contracts/Orders & Options

No recent contracts have been identified.

Timetable

Year	Major Development
Thru FY10	ASDE-X installed at 35 airports
FY11	ASDE-X installed at three airports

Worldwide Distribution/Inventories

The Airport Surface Detection Equipment - Model X (ASDE-X) Program is a **U.S. Federal Aviation Administration** program.

ASDE-X

Forecast Rationale

The Airport Surface Detection Equipment - Model X (ASDE-X) Program is a U.S. Federal Aviation Administration (FAA) endeavor to install the ASDE-X airport surface surveillance system at 35 airports in the United States. The ASDE-X system provides multi-sensor airport surface surveillance with identification and conflict alerting to air traffic controllers.

As indicated by the **Ten-Year Outlook** chart, Forecast International projects that the U.S. Federal Aviation Administration will spend some $29.5 million on its ASDE-X Program in FY10 and FY11. The ASDE-X was developed to aid in preventing surface collisions and reducing critical Category A and B runway incursions by enabling air traffic controllers to track the surface movement of aircraft and vehicles.

With installation of the ASDE-X system completed at 35 airports in the United States, this report will be archived in August 2011.

Ten-Year Outlook

ESTIMATED CALENDAR YEAR RDT&E FUNDING (in millions $)											
Designation or Program		**High Confidence**				**Good Confidence**			**Speculative**		
	Thru 2009	**2010**	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**	**Total**
Sensis Corp (Prime)												
ASDE-X Installation Civil <> United States <> FAA												
	451.18	25.30	4.20	.00	.00	.00	.00	.00	.00	.00	.00	29.50
Total	451.18	25.30	4.20	.00	.00	.00	.00	.00	.00	.00	.00	29.50