ARCHIVED REPORT

For data and forecasts on current programs please visit

www.forecastinternational.com or call +1 203.426.0800

Electro-Optical Fire Control and Observation Director (EOS) - Archived 2/2007

Outlook

- The last publicly available information on the EOS was a contract announcement in the summer of 2000
- No production is forecast
- Barring a sudden surge of activity, this report will be archived next year, in February 2007

10 Year Unit Production Forecast 2006 - 2015											
											-
U A	Jnits										-
0											7
	006	10 I 2007	2008	2009 0	2010 0	2011 0	2012	2013	2014	ST	7

Orientation

Description. The Electro-Optical Fire Control and Observation Director, also called EOS, is an electrooptical fire control system manufactured by Saab AB. EOS is designed for use on surface vessels.

Sponsor

Saab AB Box 70363 Stockholm, Sweden 107 24 Tel: + 46 8 463 00 00 Fax: + 46 8 463 01 52 Website: http://www.saab.se Status. In service.

Total Produced. Forecast International estimates that 34 EOS systems have been produced through 2005.

Application. Fire control.

Price Range. Contract analysis of a comparable product – the Kollmorgen Mk 46 EO Director – suggests a unit value of approximately \$1.5 million (FY03 dollars).

Contractors

Saab AB, http://www.saab.se, Box 70363, Stockholm, 107 24 Sweden, Tel: + 46 8 463 00 00, Fax: + 46 8 463 01 52, Prime

Technical Data

The Electro-Optical Fire Control and Observation Director is a single system capable of performing general observation, surveillance with target detection and identification, high accuracy tracking, and fire control. The EOS comprises a TV camera, a laser range finder, and a TV/infrared tracker.



Variants/Upgrades

There are three versions of the Electro-Optical Fire Control and Observation Director: EOS-400, EOS-450, and EOS-500. The EOS-400 is the initial version of the Electro-Optical Fire Control and Observation Director.

The EOS-450 consists of a gyro-stabilized platform with three sensors, a high-resolution TV camera, a multi-element infrared camera, and an eye-safe laser range finder. The TV/infrared tracker is based on digital correlation and uses advanced image processing. The tracker provides automatic target indication and acquisition. In case the target is momentarily

concealed, the tracker performs target prediction and target relock.

The EOS-500 is a single system capable of performing general observation, surveillance with target detection and identification, high accuracy tracking, and gun fire control. The basic system consists of one sensor platform and one electronics cabinet. An operator's console can be added for stand-alone operations. The EOS-500 pedestal is a lightweight dual axis (elevation over azimuth) stabilized platform designed for high accuracy electro-optical surveillance and tracking.

Program Review

Background. The Electro-Optical Fire Control and Observation Director has been in service since 1985. In 1999, the Mexican Navy ordered the Saab EOS-450 fire control system for its Oceanica class frigates. In the summer of 2000, the Mexican Navy placed another order for the Saab EOS-450 fire control system. Under this order, Saab manufactured and installed its EOS-450 onto the Mexican Navy's Holzinger 2000 class gunships.

Funding

Development and production of EOS is funded by Saab AB.

Recent Contracts

No recent contracts have been identified.

Timetable

Year	Major Development
1985	The EOS-400 entered service
1999	The Mexican Navy ordered the EOS-450 for its Oceanica class frigates
2000	The Mexican Navy ordered the EOS-450 for its Holzinger 2000 class gunships

Worldwide Distribution

EOS systems are known to be installed on vessels owned by Brazil, Finland, and Mexico.

Forecast Rationale

The Electro-Optical Fire Control and Observation Director (EOS), is manufactured by Saab AB. It is designed for use on surface vessels. Saab's EOS fire control system has been in service since 1985.

No further production of the EOS is forecast, thus the Ten-Year Outlook chart has been omitted. The last

publicly available information on the EOS system was a contract announcement in the summer of 2000. That said, this report will be archived in February 2007. Should activity on this system resume, this report will be updated and reissued as appropriate.

Ten-Year Outlook

No production is forecast; therefore the forecast chart has been omitted.

* * *

