The Electro-Optical Targeting System (EOTS) for the F-35 Lightning II is an affordable, high-performance, lightweight, multi-function system that provides precision air-to-air and air-to-surface targeting capability in a compact package.

The Distributed Aperture System (DAS) Window Panel set for the F-35 Lightning II consists of six low-observable, infrared transparent windows for Electro-Optical (EO) DAS sensors that provide threat detection and 360-degree situational awareness to the pilot.

EOTS Capabilities

- World’s first sensor that combines forward-looking infrared (FLIR) and infrared search and track (IRST)
- Low-profile window for low-observable performance
- Modular design for two-level maintenance that reduces life cycle cost
- Precise guidance for laser weapons
- Highly accurate coordinate generation for GPS weapons
- Passive and active ranging

Milestones

- Delivery of 700th EOTS - September 2020
- Delivery of 5,000th DAS Window Panels – June 2020
- Awarded block-buy contract to produce EOTS for Lots 15-17 through 2024 - July 2020
- Successful completion of Sabreliner flight tests demonstrating new capabilities and reduce pilot workload - July 2020
- Completed the 1st DAS Window Panel repair at Warner Robins Air Logistics Complex Depot – July 2020

Sustainment Performance

- **98.4%** EOTS Fully Mission Capable Rate
- **99.6%** DAS Window Panel Fully Mission Capable Rate
- **96%** Reduction in Mission Impaired Capability Awaiting Parts (MICAP) since June 2019 (Achieved Performance-Based Logistics Award)

Economic Impact

- More than 460 suppliers in 40 states and several countries, including the UK, Italy and Canada
- More than 190 suppliers are small businesses
We continue to enhance the capabilities of EOTS, leveraging a spiral development road map. Additionally, we’ve invested in an Advanced EOTS sensor that incorporates a wide range of enhancements and updates including: short-wave infrared, high-definition television, an infrared marker and improved image detector resolution. Currently, Advanced EOTS is available for the F-35’s Block 4 development.