



The
SA GROUP



**PSEUDO
ILS 1**

ADS-B OUT AND FMS UPGRADE SOLUTIONS FOR SAAB 340

Introducing EASA approved installations and upgrades for

- **FMS (WAAS)**
 - APV / LPV (PSEUDO ILS)
 - P-RNAV
 - LNAV / VNAV
- **ADS-B OUT**
 - FMS INTERFACE
 - STANDALONE GPS INTERFACE
- **OTHER**

THE SAAB 340

FMS AND ADS-B UPGRADE

The SAAB340 upgrade package from Scandinavian Avionics will bring the aircraft up to current mandated and operational requirements. This package includes our EASASTC's covering Transponder system upgrade, incl. ELS, EHS and ADS-B Out, as well as FMS system WAAS upgrade with P-RNAV and LPV.

Transponder System ADS-B Upgrade

Upgrade of the existing transponder system to ADS-B Out (DO260B) consists of LRU upgrades/replacements, Control Unit replacements (as applicable) and interface with the newly installed UNS-1Lw WAAS compliant FMS system. The WAAS interface being an ADS-B requirement.

Should your aircraft be configured with a different transponder system, please contact us for further info.

FMS System WAAS Upgrade

Installation of Universal Avionics UNS-1Lw including technical approval as per JAA TGL10 (P-RNAV), AMC 20-4A (BRNAV), AMC20-5, FAA AC20-138D (GPS as primary source of navigation and GPS Non Precision Approaches) and AMC 20-27A (RNP Approaches down to LNAV).

Taking the special architecture of the SAAB340 EFIS-86D system into consideration, the LPV upgrade include special Pseudo ILS switching for LPV approaches.



ADS-B OUT ONLY

- with standalone GPS Sensor

As an alternative to operators currently not seeking to upgrade their FMS system, Scandinavian Avionics offer the ADS-B upgrade with interface to a Standalone WAAS GPS Sensor. The upgrade consists of existing Transponder system upgraded to ADS-B compliance and a standalone WAAS GPS Sensor installation, only interfacing with the transponder system. The upgrade will provide ELS, EHS and ADS-B Out compliance.

FMS SYSTEM UPGRADE

Universal Avionics has continually and innovatively used advancements in computer technology to increase cockpit safety. The WAAS/SBAS-FMS' provide the latest generation platform for system development.

Designed for pilots by pilots, the intuitive system operation allows you to comfortably manage even the most complex flight maneuvers efficiently and seamless. The system provides the pilot with the greatest situational awareness, most efficient data entry and concise informative displays. The net result is more pilot heads-up time and increased flight safety.

Datalink ATN/CPDLC (LINK 2000+)

Each FMS can provide control and display functionality for the UniLink Communication Management Unit, offering air-to-ground, two-way datalink capabilities. A host of features are available today, including full ACARS messaging, position updates, clearances, weather, D-ATIS and more.

TAWS

The FMS systems are also designed to interface with both UASC Class A and Class B TAWS (Terrain Awareness and Warning Systems). TAWS increases situational awareness by providing visual terrain displays relative to current and predicted aircraft position supplied by the WAAS/SBAS-FMS. Alerts in accordance with standard Ground Proximity Warning System modes are also provided.

COMPLETE TURN-KEY SOLUTIONS

We provide complete turn-key avionics solutions for the SAAB 340 series aircraft:

➤ **Application**

- P-RNAV
- LPV
- ADS-B OUT
- FMS
- Other

➤ **Certification**

Supply of existing STC or development of new STC.

➤ **Installation**

We provide full system installation, at EASA Part-145 approved facilities.

➤ **Training**

We offer a range of training courses under EASA Part-147, Part-145 and Part-21 approvals.



If you need more information, we are always at your disposal and ready to discuss and advice on your specific opportunities, and find the most cost-effective avionics solution.

PLEASE FEEL FREE TO CONTACT US:

SA@scanav.com or give us a call on +45 7950 8000

Scandinavian Avionics (SA) provides complete turn-key avionics solutions for civil and military aircraft, helicopters and UAS. Including sales, maintenance (MRO), certification (STC), design & engineering, installation, product development, production, training and consultancy services.

The SA Group consists of 11 divisions located in Europe, the Middle East, South- and Southeast Asia. The headquarters, which was established in 1978, is located in Billund, Denmark.

APPROVALS

EASA Part-145 | EASA Part-21J | EASA Part-21G | EASA Part-147
FAA Part-145 | TCCA Part-145 | BCAA Part-145 | GAR Part-145 | DOT RIN N083