# P-RNAV approval

Get the priority in Europe



## FMS upgrades

- ASI Innovation developed multiple STCs on several platforms such as Embraer, Beechcraft, Cessna, ATRs and more.
- ASI will adapt to your need the RNP level performance
- Our expertise on FMSs upgrades will save you time and money.
- P-RNAV approval benefits on your aircraft :
  - Ability to use RNAV functionality in all phases of flight
  - More shorter, more direct routes
  - Saving fuel
  - Priority on landings and departures
  - Reducing workload for both pilot and air traffic controllers
  - Enhance the safety.





#### WAAS/SBAS-FMS Description

Universal Avionics' WAAS/SBAS-FMSs combine the benefits of advanced programming; compact, lightweight packaging; and installation flexibility.

This line of FMSs are WAAS/SBAS-capable, meaning you have the increased integrity, reliability and safety provided by Satellite-Based Augmentation Systems (SBAS) guidance. The most precise and accurate GPS-based approaches available today, RNAV (GPS) approach types, are now within your reach.

The UNS-1Ew is a self-contained FMS within a single panelmountable enclosure. The UNS-1Ew can be configured as either an all digital or a digital-analog system depending on the complement of boards installed. The front of the unit contains a 5-inch diagonal full-color Active-Matrix Liquid Crystal Display (LCD) flat-panel display and an alphanumeric keypad.

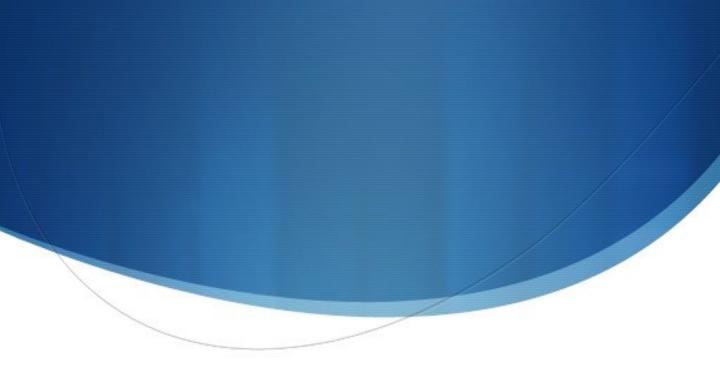
### **Operator Benefits**

- UNS-1M/1Msp and UNS-1A operators gain substantial operational capabilities when replacing their existing unit with a WAAS/SBAS-FMS.
- Storage for the entire worldwide database
- Convenience of downloading data from the internet on USB memory drive or SD card
- Access to all RNAV (GPS) approach procedures: Localizer
- Performance with Vertical (LPV), Lateral Navigation/ Vertical Navigation (LNAV/VNAV), LNAV-only
- 3D approach mode
- Internal GPS/SBAS receiver is compatible with WAAS, EGNOS and MSAS for worldwide coverage
- Allows you to plan GPS approaches to your flight plan destination as well as an alternate
- Allows approaches at smaller municipal airports at night when no local altimeter setting is available
- LPV approach capability provides ILS-like guidance down to near CAT I ILS minima
- Enhanced integrity and accuracy monitoring removes the RAIM prediction requirement
- Decreased pilot workload through the FMS Synchronous (SYNC) operation mode, in which data is automatically transferred between the onside and offside FMSs for certain pages/operations such as flight plan, VNAV, and fuel data
- ADS-B provisioned

#### Features

- TSO-C146c and ETSO-C146c, Class Gamma-3
- AC 90-100 compliant for RNAV SID and STAR procedures
- RNP and P-RNAV capable
- Advanced LCD flat panel displays for superior sunlight readability and wider viewing angles
- All displays are graphics and video-capable for interface with UniLink®, TAWS, Vision-1®+ and other compatible sources
- Required Navigation Performance (RNP) approach capabilities
- Onboard Actual Navigation Performance (ANP) monitoring
- Black or gray faceplate





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