

# P-RNAV approval

Get the priority in Europe



ASI INNOVATION



# 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 panel-mountable 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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