

Orlando FSDO FAA Safety Team presents:

# **SUN-n-FUN 2019 Forum - Resilient Navigation**

Navigation technology must continue to evolve to meet growing demands, address delays, and prevent future gridlock.

To meet this challenge, the FAA is transitioning the NAS to Performance Based Navigation (PBN). PBN includes both Area Navigation (RNAV) and Required Navigation Performance (RNP). RNAV and RNP operations are enabled primarily by satellite navigation in the form of the Global Navigation Satellite System (GNSS). GNSS includes GPS, Wide Area Augmentation System (WAAS), Aircraft Based Augmentation System (ABAS), and other satellite navigation systems developed to support aviation. Using GNSS, RNAV and RNP routes and procedures can be flown virtually anywhere in the NAS, in all phases of flight.

GNSS provides an excellent and valuable service, but is susceptible to interference (intentional and unintentional) so to mitigate GNSS vulnerabilities, the FAA is developing a robust and resilient navigation infrastructure. This layered backup navigation capability includes the use of Distance Measuring Equipment (DME) and Very High Frequency Omni-directional Range (VOR) to provide a basic conventional capability in the event of GNSS outages.

This is a live presentation only. Free seminar!

## Event Details

**Sat, Apr 6, 2019 - 11:30 EDT**  
**FAA Orlando Field Office (FAA Safety Center)**

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## WINGS credit available!

**Directions:** The FAA's "Orlando Field Office" (aka FAA Safety Center) is centrally located on the Sun-n-Fun grounds at the corner of Laird Drive and Sun-n-Fun Road. We are the large building with the rooftop deck. Forums entrance is on the west side of the building.

### **A message from the National FAASafety Manager**

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The FAA Safety Team (FAASafety) is committed to providing equal access to this meeting/event for all participants. If you need alternative formats or services because of a disability, please communicate your request as soon as possible with the person in the "Contact Information" area of the meeting/event notice. Note that two weeks is usually required to arrange services.