



**FAA**  
**Aviation Safety**

## **SPECIAL AIRWORTHINESS INFORMATION BULLETIN**

**SAIB:** SW-11-31R1

**SUBJ:** Honeywell MK XXII Enhanced Ground Proximity Warning System

**Date:** July 18, 2011

*This is information only. Recommendations aren't mandatory.*

### **Introduction**

This Special Airworthiness Information Bulletin (SAIB) is to inform owners and operators of rotorcraft equipped with Honeywell MK XXII Enhanced Ground Proximity Warning System (EGPWS). There is an airworthiness concern regarding operation of a rotorcraft with a MK XXII EGPWS system installed that has not been updated to correct a condition where there could be unannounced loss of functions of that system. At this time, this airworthiness concern is not an unsafe condition that would warrant airworthiness directive (AD) action under Title 14 of the Code of Federal Aviation Regulations (14 CFR) part 39. This revised SAIB provides more information on how to make the recommended changes to address this airworthiness concern. All other information remains the same.

### **Background**

Honeywell's MK XXII EGPWS system is designed to be used on rotorcraft equipped with a radio altimeter. The radio altimeter valid signal is one criteria used to determine the rotorcraft's transition from on-ground to in-flight. This transition must take place for the EGPWS to enable the predictive warnings and cautions associated with the "look-ahead" features of the EGPWS. In previous software versions, prior to the release and installation of the software update described in Honeywell Service Bulletins ATA Numbers 965-1590/1595-34-36 and 965-1595-34-22 (Honeywell publication numbers D201009000034 and D201006000021, respectively), there exists scenarios where this transition does not take place. In this operational state, the predictive warnings and cautions of the "look ahead" features are not activated and there is no announcement of the degraded operational condition to the pilot. The software version listed in the appropriate Honeywell service bulletin corrects this issue, and is currently available from Honeywell at no charge.

### **Recommendations**

We strongly recommend owners and operators of rotorcraft equipped with a Honeywell MK XXII EGPWS system contact Honeywell and the Supplemental Type Certificate holder for their installation to arrange installation and incorporation of the appropriate Application Software Version for their system as described in Honeywell Service Bulletins referenced above. Failure to do so could result in less than desired or expected protection from inadvertent controlled flight into terrain or obstacles.

### **For Further Information Contact**

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