

Continuing Airworthiness Notice – 31-001

Honeywell MK XXII EGPWS installed on helicopters

29 July 2011



Issued by the Civil Aviation Authority of New Zealand in the interests of aviation safety. A Continuing Airworthiness Notice (CAN) is intended to alert, educate, and make recommendations to the aviation community. A CAN contains non-regulatory information and guidance that does not meet the criteria for an Airworthiness Directive (AD). The inspections and practices described in this CAN must still be carried out in accordance with the applicable NZCAR Parts 21, 43 and 91.

The contents of this notice are ADVISORY ONLY and are NOT MANDATORY.

CAN numbering is by ATA Chapter followed by a sequential number for the next CAN in that ATA Chapter.

Applicability:

All operators and maintainers of Honeywell MK XXII Enhanced Ground Proximity Warning Systems (EGPWS) installed on helicopters.

Purpose:

This Continuing Airworthiness Notice (CAN) is issued to inform operators and maintainers of helicopters fitted with Honeywell MK XXII EGPWS that there is a concern that older EGPWS software versions may result in unannounced loss of EGPWS function. The loss of EGPWS function will reduce the desired or expected protection from inadvertent controlled flight into obstacles or terrain.

Background:

The Honeywell MK XXII EGPWS system is designed for use on helicopters fitted with a radio altimeter. The EGPWS uses the radio altimeter signal to indicate transition from on-ground to in-flight which enables the “look-ahead” predictive warnings and cautions of the EGPWS. With certain older EGPWS software versions the predictive warnings and cautions of the “look ahead” features are not activated and there is no annunciation of the degraded operational condition of the EGPWS to the flight crew. Honeywell have issued updated software which corrects this problem.

Recommendation:

The CAA recommends that operators and maintainers of Honeywell MK XXII EGPWS installed on helicopters contact Honeywell and the STC holder to arrange the installation of the appropriate software per the instructions in Honeywell Service Bulletins ATA Numbers 965-1590/1595-34-36 and 965-1595-34-22 as applicable (Honeywell publication numbers D201009000034 and D201006000021). Failure to install the updated software could result in less than desired or expected protection from inadvertent controlled flight into terrain or obstacles.

For further information about the subject of this CAN refer to FAA Special Airworthiness Information Bulletin (SAIB) No. SW-11-31R1 dated 18 July 2011. A copy of the FAA SAIB can be obtained from http://rgl.faa.gov/Regulatory_and_Guidance_Library/rgSAIB.nsf/MainFrame?OpenFrameSet

Enquiries:

Enquiries with regard to the content of this CAN should be sent to:

Owen Olls
Airworthiness Specialist
Email: ollso@caa.govt.nz
Phone: 04 560 9569