Traffic Alert Collision Avoidance System (TCAS)

Program Details:

TCAS c7.1 Mandate

- Europe – Eurocontrol – EASA
  - Must Comply by Dec 1, 2015
  - Must be Equipped to Operate
  - FL280+ in Europe
  - Applies to TCAS II not TAS/TCAS I
- TCAS c7.1 Major Fixes
  - New Resolution Advisory "Level
  - Off, Level Off", Replaces AVSA RA
  - TCAS Reversals

TCAS c7.1 Upgrades – Now Available

- Contact StandardAero for a Custom Quotation to for your Aircraft
- ACSS TCAS II, 2000 and 3000 Software and Hardware Upgrades
- Rockwell Collins TTR-920, TTR-921 and TTR-4000 Upgrades
- Honeywell CAS-67A , CAS-81A and CAS-100 Upgrades

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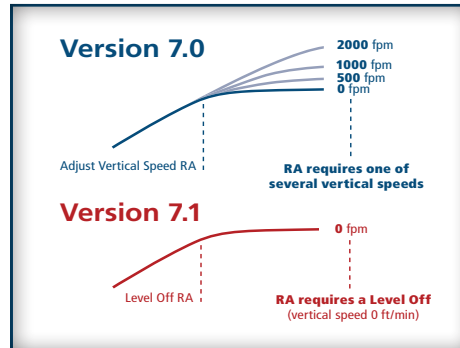+1-217-416-4426
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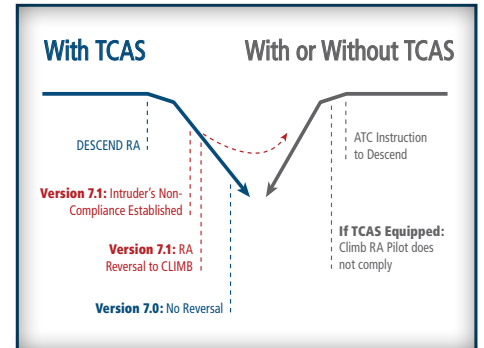+1-269-743-9974
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JS 3.7.16 v2

New RA "Level Off, Level Off"

Version 7.0

2000 fpm
1000 fpm
500 fpm
0 fpm

Adjust Vertical Speed RA

RA requires one of several vertical speeds

Version 7.1

0 fpm

Level Off RA

RA requires a Level Off (vertical speed 0 ft/min)

Enhanced TCAS Reversals

With TCAS   With or Without TCAS

DESCEND RA

ATC Instruction to Descend

Version 7.1: Intruder's Non-Compliance Established

Version 7.1: RA Reversal to CLIMB

If TCAS Equipped: Climb RA Pilot does not comply

Version 7.0: No Reversal

StandardAero's TCAS change 7.1 (c7.1) program upgrades of your TCAS equipped aircraft to provide the latest software update allowing improved aural warnings and compliance with pending mandates.

How it Works

The TCAS II systems work by interrogating the ATC transponders of other nearby aircraft to determine and display their altitudes, ranges and relative positions. If necessary, they compute and display a recommended vertical avoidance maneuver to ensure safe separation. The TCAS change c7.1 upgrade provides the logic upgrade required by the EASA mandate to prevent these types of traffic conflicts and the appropriate avoidance maneuvers.

Benefits

StandardAero will complete your upgrade with the highest quality to maximize your investment while minimizing downtime.

— **Mandate Compliant Upgrades available**

— **Enhances crew awareness of traffic situations**

— **Adds safety by detecting and displaying potential collision threats**

— **Automatically computes avoidance maneuvers with aural and visual commands**

— **Automatically coordinates complementary commands in encounters with other TCAS II equipped aircraft**

StandardAero — *The Right Choice*

At StandardAero, we have retained a team of the most highly experienced avionics experts in the business and developed unique avionics upgrade and retrofit processes. We put our customers and their aircraft first and do what it takes to deliver superior service and maximum performance from your entire aircraft.

To find out more about TCAS and other Avionics programs contact your area representative or visit http://www.standardaero.com/avionics/default.aspx