

• Preventive RA

The display below shows a preventive RA display. Your aircraft is descending at 1700 fpm, well outside the restricted vertical speed indicated by the red arc. The red arc advises that you should not climb at any vertical speed to avoid the threat aircraft at 12 o'clock and 600 feet above you. Simultaneous with the time this traffic was upgraded from a TA to an RA display, an aural alert message would have annunciated, "Monitor vertical speed." ("Monitor vertical speed. Monitor vertical speed." for version 6.04A).

Proximate traffic is also shown in this display. The solid diamond at 11:00 o'clock and 3.5 miles is 700 feet above your own altitude and descending. The other proximate traffic is at 2:00 o'clock and 4 miles, 100 feet below your altitude and climbing. Neither of these intruders poses a present threat.

If the threat aircraft maneuvers to cause a new conflict before the RA clears, a corrective RA may be issued, overriding the preventive RA.



• No-Bearing Messages



When an intruder is detected but no bearing can be determined for the aircraft, a no-bearing message is displayed in slot 6 (and slot 7 if two, or more, aircraft produce this situation; highest priority will be displayed first). The message provides range, altitude, and trend in vertical speed of the RA or TA intruder(s). If altitude of the no-bearing target cannot be determined, no message is issued for that target. Message color is red if the intruder is causing an RA, or yellow if causing a TA.

In the message shown in the photo above, the yellow "TA" indicates that the intruder is causing a traffic alert. The "1.2" indicates a distance to the intruder of 1.2 miles. The "00" indicates that the intruder is level at your own altitude. An RA no-bearing message, displayed in red, would be interpreted similarly.

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Airworthiness Directives: Small Aircraft, Rotorcraft, Gliders, Balloons, and Airships, Bk. 4, 2000 Though 2003: Federal Aviation Regulations, Pt. 39 , **Global Mobile Satellite Communications Theory** Stojče Dimov Ilčev, 2016-09-23 This book discusses current theory regarding global mobile satellite communications GMSC for maritime land road and rail and aeronautical applications It covers how these can enable connections between moving objects such as ships road and rail vehicles and aircrafts on one hand and on the other ground telecommunications subscribers through the medium of communications satellites ground earth stations Terrestrial Telecommunication Networks TTN Internet Service Providers ISP and other wireless and landline telecommunications providers This new edition covers new developments and initiatives that have resulted in land and aeronautical applications and the introduction of new satellite constellations in non geostationary orbits and projects of new hybrid satellite constellations The book presents current GMSC trends mobile system concepts and network architecture using a simple mode of style with understandable technical information characteristics graphics illustrations and mathematics equations The first edition of Global Mobile Satellite Communications Springer 2005 was split into two books for the second edition one on applications and one on theory This book presents global mobile satellite communications theory **Digital Avionics Handbook** Cary R. Spitzer, Cary Spitzer, 2000-12-20 Avionics provide crews and passengers with an array of capabilities Cockpit crews can operate with fewer pilots greater efficiency and immediate critical information Passengers can enjoy the ultimate in inflight entertainment live television and audio broadcasts and access to the Internet and e mail Since avionics are the among most ex *Global Mobile Satellite Communications Applications* Stojce Dimov Ilcev, 2017-11-11 This book discusses global mobile satellite communications GMSC for maritime land road and rail and aeronautical applications It covers how these enable connections between moving objects such as ships road and rail vehicles and aircrafts on one hand and ground telecommunications subscribers through the medium of communications satellites ground earth stations Terrestrial Telecommunication Networks TTN Internet Service Providers ISP and other wireless and landline telecommunications providers The new edition covers new developments and initiatives that have resulted in land and aeronautical applications and the introduction of new satellite constellations in non geostationary orbits and projects of new hybrid satellite constellations The book presents current GMSC trends mobile system concepts and network architecture using a simple mode of style with understandable technical information characteristics graphics illustrations and mathematics equations It represents telecommunications technique and technology which can be useful for all technical staff on vessels at sea and rivers on all types of land vehicles on planes on off shore constructions and for everyone possessing satellite communications handset phones The first edition of Global Mobile Satellite Communications Springer 2005 was split into two books for the second edition one on applications and one on theory This book presents global mobile satellite communications applications Manuals Combined: U.S. Navy FIRE CONTROLMAN Volumes 01 - 06

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