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of Transportation
**Federal Aviation
Administration**

InFO

Information for Operators

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http://www.faa.gov/other_visit/aviation_industry/airline_operators/airline_safety/info

An InFO contains valuable information for operators that should help them meet certain administrative, regulatory, or operational requirements with relatively low urgency or impact on safety.

Subject: Traffic Alert and Collision Avoidance System (TCAS II) Version 7.1

Purpose: This InFO informs air carriers and operators of the recent European Union (EU) Implementing-Rule, mandating TCAS II Version 7.1 equipage to operate in European airspace.

Background: The Federal Aviation Administration (FAA) authorizes, but does not mandate TCAS II Version 7.1 software for use in the National Airspace System (NAS). Version 7.1 is defined by FAA TSO-C119c. With introduction of TCAS II Version 7.1, the FAA now permits three versions of TCAS II in US airspace; V6.04a, V7.0 and V7.1 (note that FAA requires V7.0 or greater in RVSM airspace). More information about TCAS II can be found in the FAA's Introduction to TCAS II V7.1 pamphlet; [Introduction to TCAS II Version 7.1 Booklet](#)

Discussion: Operators of aircraft with TCAS II installed and also conducting international flight operations, need to be aware that ICAO Annex 10 requires Version 7.1 software on new aircraft by January 1, 2014, and for existing aircraft by January 1, 2017. Operators should note that an EU Implementing Rule sets an earlier equipage requirement than those published in ICAO Annex 10. The EU mandate is applicable in EU airspace as of March 1, 2012 to all aircraft above 5,700 kg (12,500 lbs) Maximum Take-off Mass or authorized to carry more than 19 passengers. An extended deadline, December 1, 2015, is granted to aircraft with an individual certificate of airworthiness issued before March 1, 2012 and equipped with version 7.0. The EU Implementing Rule also applies to aircraft that voluntarily equip with TCAS II. The EU Implementing Rule may be viewed at the following link, [EU TCAS II Version 7.1 Implementing Rule](#)

Recommended Action: Directors of safety, directors of operations, chief pilots, fractional ownership program managers, training managers, and operators of aircraft with TCAS II installed and that plan on operating in EU airspace need to ensure that Version 7.1 software is installed in order to comply with the EU Implementing Rule.

Contact: Questions or comments regarding this InFO should be directed to Roger Sultan or Wayne Gallo, Flight Technologies and Procedures Division, Future Flight Technologies Branch, AFS-430 at (202)-385-4586.