

## ACAS II Version 7.1

### Eurocontrol Mandate

This issue focuses on a **forthcoming change to TCAS II – the introduction of the new version 7.1**. A regulatory decision regarding implementation was published in the Official Journal of the European Union on 20 December 2011: all existing TCAS II version 7.0 installations must be upgraded before 1 December 2015 and new aircraft must be equipped with version 7.1 from 1 March 2012 to operate in European airspace.

The EU Implementing Rule sets an earlier equipage requirements than those published in ICAO Annex 10 (2014 new installations, 2017 existing units).

The development of version 7.1 was initiated by EUROCONTROL following the discovery of two safety issues with the current TCAS II version. Development was undertaken jointly by the RTCA in the United States and by EUROCAE in Europe with support and contributions from several other organizations, including airlines and ANSPs.

This bulletin explains the reasons behind the implementation of version 7.1 and introduces the new RA – the “Level off, level off” RA. It answers questions that pilots or controllers may have about the new version and provides references to additional training resources.

## Commission Implementing Regulation No 1207/2011

The Commission Implementing Regulation (EU) No 1207/2011 which was approved and published in the Official Journal of the European Union in November 2011, includes a mandate for ADS-B Out. It establishes mandatory carriage and operation of ADS-B 1090 MHz Extended Squitter by aircraft with a maximum certified take-off mass exceeding 5700kg or with a maximum cruising true airspeed capability greater than 250 kts when flying IFR/ GAT in European airspace. The compliance dates are January 2015 for forward-fitting and December 2017 for retrofitting