

Note to Manufacturers Recommending Incorporation of RTCA/DO-300 Change 2
and RTCA/DO-300A Change 1

November 14, 2016

On December 15, 2015, RTCA published Change 2 to RTCA/DO-300 and Change 1 to RTCA/DO-300A, *Minimum Operational Performance Standards for Traffic Collision Avoidance II (TCAS II) Hybrid Surveillance*. These changes were published to provide additional requirements to help prevent spurious resolution advisories (RA) during transition from passive to active surveillance.

The changes include:

- 1) New requirements which will ensure that there is no “residue” from ADS-B surveillance when a track transitions from passive to active surveillance, and,
- 2) An option allowing a system to be designed to only perform hybrid surveillance for an intruder broadcasting ADS-B OUT version 2 or subsequent.

EASA has advised that there have been a total of 111 these events recorded in European airspace since 2012. The number is expected to increase in 2017 and 2018. EASA recently was advised that on June 17, 2016 there was a loss of separation caused by one of these events. This has increased the urgency to expedite corrective action. Toward that end, FAA encourages applicants for, and holders of, Technical Standard Order (TSO) authorizations for TSO-C119c and TSO-C119d to promptly evaluate these RTCA documents and expeditiously incorporate the additional requirements in any of your appliances containing the hybrid surveillance functionality defined by RTCA/DO-300 and RTCA/DO-300A.

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