

RTCA Special Committee 186, Working Group 5

ADS-B UAT MOPS Maintenance

**RTCA Headquarters, Washington DC
3 – 4 June 2009**

**Proposed Changes to DO-282B for Total Latency
In Response to Action Item 23-12
Revision 1** |

**Chris Moody
MITRE / CAASD**

Summary

This Working Paper addresses Action Item 23-12, which was to “put together a proposal for the 1.5 second total latency requirement and propose during June meeting.”
--

Introduction:

This Working Paper addresses Action Item 23-12, which was to “put together a proposal for the 1.5 second total latency requirement and propose during June meeting.”

Proposal:

1. Add a new section §2.2.7.2.4 as shown below:

2.2.7.2.4 Total Latency of Position ~~and Velocity~~ Measurements

For any MSO transmitted on or after 0.5 seconds, the latitude, longitude and geometric altitude data reported **shall** be based upon an actual un-extrapolated position whose time of applicability is the beginning of the UTC second. Any MSO transmitted prior to that time, the position may be extrapolated from position whose time of applicability is one (1) second prior to that time.

2. Move current Section §2.2.7.2.4 to new Section §2.2.7.2.5.