

RTCA Special Committee 186, Working Group 3
EUROCAE WG-51, SG-1

ADS-B 1090ES MOPS Maintenance

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Proposed DO-260B Transmit Rate Tables

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Summary
This Working Paper addresses the modifications to DO-260B to incorporate the new transmit rate requirements for Event Driven and Periodic Status Messages. It is presented in response to Action Item 25-14.

The following changes are proposed to Section 2.2.3.3.1.4 “ADS-B Event Driven Message Broadcast Rates”. A new Table summarizing the transmit rate requirements for each message and scenario should be included in this section. Except where noted, the transmit rates shown in this table apply both when the transmit aircraft is on the surface or when it is airborne.

Message	BDS / Subtype	Scenario	Nominal Tx Rate messages / sec	Notes
Emergency / Priority	6,1 / 0	No emergency	0.2	
	6,1 / 0	Emergency	0.4	
	6,1 / 0	Mode 3/A code change	1.25	
	6,1 / 1	TCAS RA active	1.0	Airborne only
Target State & Status	6,2	Normal	0.8	Required for Class A2/A3 only
Operational Status	6,5	Normal	0.4	
	6,5	Change in TCAS, NAC _P or SIL	1.25	“High Rate”