

RTCA Special Committee 209 and EUROCAE WG-49

ATCRBS / Mode S Transponder MOPS Maintenance

Meeting #11

**In Joint Plenary Session at
RTCA Headquarters, Washington DC
8 – 10 September 2010**

**Review of the Usage of the Term “All-Call” in SARPs and MOPS
In Response to Action Item 10-09**

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SUMMARY

This Working Paper is in response to Action Item 10-09 to review DO-181D and ED-73C and make specific recommended changes to ensure that the references to Mode A/C/S and Mode S-only All-Call are consistent throughout both documents.

1.0 Introduction

During the Joint Session of RTCA SC-209 and EUROCAE WG-49 at EUROCAE Headquarters in Malakoff, during the discussion on changes related to the transponder not accepting an interrogation with DI=4, 5 or 6, it came to light that there was different usage of the term “All-Call” between DO-181D and ED-73C sections that were being reviewed.

Action Item 10-09 was accepted to review DO-181D and ED-73C and make specific recommended changes to ensure that the references to Mode A/C/S and Mode S-only All-Call are consistent throughout both documents.

As work began on the Action Item, it came to light that there are an overwhelming number of uses of the term “All-Call” in both documents and the uses are not necessarily consistent.

2.0 Recommendation

The Joint Session is invited to review the following chart which shows the various uses of the term “All-Call” in both MOPS documents and the SARPs.

Because of the nature of the “Change document,” as primarily presenting corrections to errors, and accounting for changes that were necessary in order to comply with changes made in the ADS-B MOPS, Version 2, it is recommended that we review the following chart and recommend only those changes that will go into “Change 1 to DO-181D/ED-73C” where there is found to be an error in the actual usage of a specific term.

All-Call Score Card

RTCA DO-181D	EUROCAE ED-73C	ICAO Annex 10 Vol. IV
Mode A/C/S All-Call	Mode A/C/S All-Call	Mode A/C/S all-call
Mode A/C-only All-Call	Mode A/C-only All-Call	Mode A/C-only all-call
Mode S-Only All-Call	Mode S-Only All-Call	Mode S-only all-call
Mode S All-Call	Mode S All-Call	Mode S all-call
All-Call	All-Call	all-call
All-Call reply	All-Call reply	all-call reply
Stochastic All-Call	Stochastic All-Call	stochastic all-call
Non-Selective All-Call	Non-Selective All-Call	non-selective all-call
Multisite All-Call	Multisite All-Call	Multisite all-call
	Mode C-Only All-Call	Mode C-only all-call
		Mode S ground station all-call
		DF = 11 all-call
ATCRBS All-Call		
ATCRBS/Mode S All-Call		
ATCRBS-Only All-Call		
ATCRBS Mode A/Mode S All-Call		
ATCRBS Mode C/Mode S All-Call		
ATCRBS Mode A-Only All-Call		
ATCRBS Mode C-Only All-Call		
Mode A/Mode S All-Call	Mode A/Mode S All-Call	
Mode C/Mode S All-Call	Mode C/Mode S All-Call	
Mode A Only All-Call	Mode A-Only All-Call	
P4-type All-Call		
	Mode A/C/Mode S All-Call	
	Mode A/S All-Call	
	Mode C/S All-Call	
	Mode A/C All-Call	