

DETERMINANTS OF ADS-B EQUIPAGE OPTIONS			SUITABILITY OF AVIONICS SOLUTION									
			Position Source			Datalink - ADS-B Out				Datalink - ADS-B In		
			SITUATION	Possibilities	Decision Criteria	WAAS			978 MHz		1090 MHz	
FFS1201	FFS1203	Existing *				Light FDL-978-TX	Heavy FDL-978-TX	Light	Heavy	978 MHz FDL-978-RX	Discr.	Upgrade
Aircraft	Light	Weight/Size, Modularity	Green	Cyan	Green	Green	Cyan	Green	Cyan	Green	Red	Yellow
	Turbine	ARINC, Bus Commonality	Cyan	Green	Red	Cyan	Green	Yellow	Green	Green	Yellow	Yellow
	Helicopter	Weight/Size, Vibration Std.	Green	Green	Green	Green	Green	Green	Green	Green	Yellow	Yellow
	Airline Transport	FMS Upgrade vs dedicated GPS	Red	Green	Red	Red	Red	Red	Green	Red	Red	Yellow
Altitude of Operation	>FL 180	1090 MHz Only	Grey	Grey	Grey	Red	Green	Green	Green	Green	Green	Green
	<FL 180	978 MHz or 1090 MHz	Grey	Grey	Grey	Green	Green	Green	Green	Green	Green	Green
ATC Jurisdiction	US	978 MHz or 1090 MHz	Grey	Grey	Grey	Green	Green	Green	Green	Green	Green	Green
	Rest of World	1090 MHz	Grey	Grey	Grey	Red	Red	Green	Green	Red	Green	Green
Current Avionics	Non-WAAS GPS	Upgrade vs Retrofit (\$)	Green	Green	Green	Grey	Grey	Grey	Grey	Grey	Grey	Grey
	Non-ADSB Mode S	Upgrade vs Retrofit (\$)	Grey	Grey	Grey	Green	Yellow	Green	Green	Green	Green	Yellow
	Deeply-integrated	Work-around solution available	Yellow	Green	Red	Green	Green	Red	Red	Green	Green	Red

*TSO-C145 or C146 GPS installed and can provide appropriate output

**TIS-B, FIS-B (Including free graphical weather) and private data applications

Legend

Recommended

Less Efficient

Unattractive

Not Possible

Not Applicable

