

Product: UAS Subsystem: Airframe		Performance Measures		Units		Market Requirements																	
						Importance	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
1	Capable of flight for extended period of time	9	●	●	●	●																	
2	Capable of traveling an extended distance	9	●	●	●	●																	
3	Minimize flight path deviation	9					●																
4	Components are protected	9												●									
5	Complies with AMA safety code	9													●								
6	Capable of carrying UGV and water bottle	3		●	●	●	●	●									●	●					
7	Fast and cheap rebuild	3													●				●	●			
8	Looks decent	1																			●		
Measured	Predicted	Target	Upper Acceptable	Ideal	Lower Acceptable																		
TBD	60	60	N/A	75	40																		
N/A	10	10	N/A	20	5																		
N/A	0.405	0.35	N/A	1	0.2																		
4.5	4.5	4.5	10	2	0																		
14.5	14	14	30	13	10																		
?	11	10	20	10	N/A																		
N/A	0.3187	0	0	-0.05	-0.1																		
0.075	0.06	0.1	0.15	0.1	0																		
N/A	0.10452	0.1	0.15	0.1	0.05																		
N/A	0.06032		0.1	-0.1	-0.15																		
0	0	0	0	0	0																		
0	0	0	0	0	0																		
0	0	0	0	0	0																		
N/A	0.5	0.5	1	0.5	0.35																		
10766	7974	8000	12000	10000	6000																		
8	10	10	24	0	N/A																		
6	8	8	10	10	5																		
?	8	8	10	10	5																		