

Market Requirements		Importance		Performance Measures																		Units												
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	Minutes	Unitless	Unitless	Kilograms	Meters/second	Meters/second	Unitless	Unitless	Unitless	Unitless	Unitless	Unitless	Cubic centimeters	Hours	1-10 scale
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																																●
		Upper Acceptable	Ideal	Lower Acceptable																														
N/A		75	40																															
N/A		20	5																															
1		1	0.2																															
50		4	0																															
30		15	10																															
20		10	N/A																															
-0.01		-0.05	-0.1																															
0.2		0.1	0																															
0.15		0.1	0.05																															
0		-0.1	-0.15																															
0		0	0																															
0		0	0																															
0		0	0																															
1		0.5	0.4																															
12000		10000	8000																															
4		0	0																															
10		10	5																															
10		10	5																															