

Product: UAV

Subsystem: PAYLOAD/Unmanned Ground Vehicle (UGV)

Notes:

*normalized by the fuselage diameter cubed

<div>Product: UAV</div> <div>Subsystem: PAYLOAD/Unmanned Ground Vehicle (UGV)</div>		<div>Notes:</div> <div>*normalized by the fuselage diameter cubed</div>		Subsystem Performance Measures		Units					
						kg					
						N					
						%					
						N					
						m/s					
						m					
						cnt					
Target Design Requirements		Importance	1	2	3	4	5	6	7		
1	Complies with competition rules	5	<div></div>						<div></div>		
2	Capable of lowering the payload to the ground	5	<div></div>	<div></div>							
3	Lands UGV within landing zone	3					<div></div>	<div></div>			
5	Delivers UGV without damage	3		<div></div>			<div></div>		<div></div>		
6	Deployable from airframe	4			<div></div>	<div></div>					
7	Does not interfere with takeoff/landing	3	<div></div>			<div></div>					
8	Causes minimal aerodynamic interference	3				<div></div>					
9	Drop mechanism does not interfere with UGV movement	2					<div></div>	<div></div>			
		Upper Acceptable	Ideal	Lower Acceptable							
					0.6	0.1	0				
					-	1.3	0.6				
					50	0	-				
					1.5	0.3	0				
					5	1	0				
					22	0	-				
					1	0	-				