Product: UAV
Subsystem: PAYLOAD/Unmanned Ground Vehicle (UGV)

	Target Design Requirements	Importance	1	2	3	4	5	6	7	Market Responce
	Subsystem Performance Measures	**Units**	Drop mechanism mass	Weight mechanism can support	Aircraft internal volume consumed*	Stowed drop mechanism drag	Maximum landing velocity	UGV landing distance from target	Rule violations	
1	Complies with competition rules	5	●						●	Good
2	Capable of lowering the payload to the ground	5	●	●						Very Good
3	Lands UGV within landing zone	3					●	●		Neutral
5	Delivers UGV without damage	3		●			●		●	Good
6	Deployable from airframe	4			●	●				Very Good
7	Does not interfere with takeoff/landing	3	●			●				Very Good
8	Causes minimal aerodynamic interference	3				●				Good
9	Drop mechanism does not interfere with UGV movement	2					●	●		Very Good
	Lower Acceptable		0	0.6	-	0	0	-	-	
	Ideal		0.1	1.3	0	0.3	1	0	0	
	Upper Acceptable		0.6	-	50	1.5	5	22	1	
	Predicted		0.018	3.36	0.003	0.1	15	10	0	
	Measured		0.016	3.43	0.003	N/A*	10	N/A*	0	

*To be measured during system refinement stage