Product: UAV Subsystem: PAYLOAD/Unmanned Ground Vehicle (UGV)	Subsystem Performance Measures / Units	Drop mechanism mass (kg)	Weight mechanism can support (N)	Aircraft internal volume consumed* (%)	Mounting distance from aircraft CG** (%)	Stowed drop mechanism drag (N)	Maximum landing velocity (m/s)	UGV landing distance from target (m)	Rule violations (cnt)
Target Design Requirements	Importance	1	2	3	4	5	6	7	8
1 Complies with competition rules	5	●							●
2 Capable of lowering the payload to the ground	5	●	●						
3 Lands UGV within landing zone	3						●	●	
5 Delivers UGV without damage	3		●				●		●
6 Deployable from airframe	4			●	●	●			
7 Does not interfere with takeoff/landing	3	●			●	●			
8 Causes minimal aerodynamic interference	3				●	●			
9 Drop mechanism does not interfere with UGV movement	2						●	●	
Upper Acceptable		0.6	-	100	100	1.5	5	22	1
Ideal		0.1	1.3	0	0	0.3	1	0	0
Lower Acceptable		0	0.6	-	-100	0	0	-	-

Notes:
*normalized by the fusalage diameter cubed
**normalized by chord