

Pass  
 Partial Pass  
 Not Satisfied  
 Not tested



Engineering Req	Linked Customer Req	Specification	Unit of Measure	Threshold	Objective	Status
E1	CR11	Mean Time Between Failures	Hours	> 400	> 600	N/A
E2	CR2	Quick Change Payloads	Minutes	< 10	< 5	<5
E3	CR3	Safety Standards	N/A	MIL-STD-883-E	Threshold	
E4	CR3	Environmental Standards	N/A	> IP-54	> IP-68	IP-32
E5	CR1	Base Platform Weight	Lbs	< 125	< 75	~85
E6	CR9	Data Transfer Rate over Mesh	Mb/s	> 2	> 3	
E7	CR1	Vehicle Speed	M/s	>2.2	>6.8	>2.2
E8	CR2	Max Payload Weight	Lbs	>50	>100	>50
E9	CR8	Maintain Current Size Envelope	inches	30 x 22	Threshold	
E10	CR9	Video Feed Resolution	Fixels	> 320 x 240	> 1080 x 720	320x240
E11	CR9	Frame Rate	Frames/sec	> 25	> 30	6
E12	CR4	Flat ground incline	Degrees	> 40	> 45	~40
E13	CR4	Stair Incline	Degrees	> 38	> 42	
E14	CR4	Step Obstacle Size	Inches	> 6hx8w	> 8hx6w	~5-6
E15	CR4	Ground pressure exerted by vehicle	PSI	< 4	< 1.5	~0.7
E16	CR6	Mechanical Shock test	g	> 3	> 4	N/A
E17	CR1	Platform Runtime with Payload	Hours	> 3	> 4	>3
E18	CR5	Communication Range	Meters	> 200	> 400	>200
E19	CR7	Computation Benchmarking - FFT 8192K	milli sec	< 500	< 120	
E20	CR10	Communication Packet Loss	%	< 10	0	