UGV = Unmanned Ground Vehic

Notes:

UAS = Unmanned Aerial System

UGV = Unmanned Ground Vehicle

Product: UAS Subsystem: N/A

Measured	Predicted	Target Values	Upper Acceptable	Ideal	Lower Acceptable	Importance	10%	10%	20%	20%	20%	20%	Importance	Performance Measures	Units
30	30	20	40	20	15	6%	•						_	Flight Time	Minutes
0	5	0	10	0	0	2%	•						2	Post Processing Time	Minutes
15	30	20	40	20	15	8%						•	သ	Autonomus Flight Time	Minutes
100	100	100	100	100	100	2%						•	4	Percent of Waypoints Hit	Percent
4.57	3	0	5	0	0	10%		•	•			•	5	Average Minimum Distance to Waypoint	Meters
2	10	0	20	0	0	20%					•	•	6	Percent of Obstacles Hit	Percent
50	80	90	100	100	75	4%				•			7	Percent of Correct Characteristics Identified	Percent
0	80	100	100	100	75	6%				•			8	Percent of Images Correctly Geolocated	Percent
0	89	100	100	100	0	6%	•			•			9	Percent of Objects Submitted in Flight	Percent
90	80	100	100	100	75	4%				•		•	10	Percent of Objects Autonomously Submitted	Percent
58	25	5	75	5	0	10%			•				11	Payload Drop Distance to Target Location	Feet
Υ	Υ	Υ	Υ	Υ	Υ	10%		•					13	Complies with AMA Safety Code	Yes/No
3	2	0	15	0	0	2%	•				•		14	Penalties	Count

6 The UAS shall be capable of a timely completion of the mission.

The UAS shall be capable of avoiding static obstacles.
 The UAS shall be capable of visual object classification.
 The UAS shall be capable of delivering a payload.
 The UAS shall be capable of safe operation.

The UAS shall be capable of autonomous flight.

Market Requirements

Market Responce
Very Good
Very Good
Very Good
Very Good
Good
Good