



BRIGHAM YOUNG UNIVERSITY
AUVSI CAPSTONE TEAM (TEAM 45)

Requirements Matrix

ID	Rev.	Date	Description	Author	Checked By
RM-001	0.1	09-07-2018	Fall camp draft	Brady Moon	Jacob Willis
RM-001	0.2	09-14-2018	Revisions after design review	Derek Knowles	Kameron Eves
RM-001	1.0	10-08-2018	Expansion for stage approval	Kameron Eves	Brandon McBride
RM-001	1.1	10-08-2018	Reordered requirements to match priority	Jacob Willis	Brady Moon
RM-001	1.2	10-17-2018	Fixed inconsistency in autonomous flight requirement	Andrew Torgesen	Kameron Eves

Requirements Matrix



<div>Product: UAS Subsystem: N/A</div> <div>Notes: UAS = Unmanned Aerial System UGV = Unmanned Ground Vehicle</div>		Units	Performance Measures														Importance		Flight Time		Minutes	Minutes	Minutes	Average Minimum Distance to Waypoint	Percent of Obstacles Hit	Percent of Correct Characteristics Identified	Percent of Images Correctly Geolocated	Percent of Objects Submitted in Flight	Percent of Objects Autonomously Submitted	Payload Drop Distance to Target Location	Feet	UGV Stop Distance to Target Location	Feet	Complies with AMA Safety Code	Yes/No	Count																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
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Figure 1: Top-level requirements matrix for the unmanned aerial system.