

Brigham Young University AUVSI Capstone Team (Team 45)

Autopilot and Path Planner Requirements Matrix

ID	Rev.	Date	Description	Author	Checked By
CT-005	0.1	02-28-	Initial require-	Brady Moon	John Akagi
		2019	ments		
CT-005	1.0	02-28-	Requirements	John Akagi	Andrew Torgesen
		2019	matrix added		
CT-005	1.1	04-05-	Market Re-	John Akagi	Andrew Torgesen
		2019	sponse Added		



Introduction

This artifact describes the requirements matrix for the autopilot subsystem (See Figure 1). The measured values are taken from the five simulated tests and one hardware test which are described in CT-003, Path Planner Testing Procedures and Results. The market response is based on the competition rules where "Impressive" indicates more than 90% of the points would be obtained, "Good" indicates that more than 80% of the points would be obtained, and "Poor" indicates that less than 70% of the points would be obtained. Values which are important to the efficiency or efficacy of the system but are not directly evaluated during the competition are marked with "N/A".

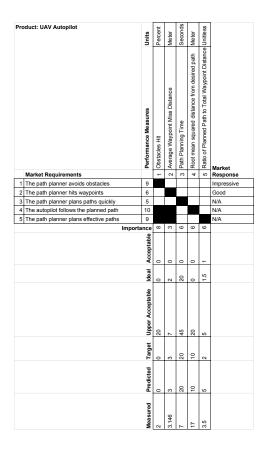


Figure 1: Requirements matrix for the subsystem which will control the UAV.