



BRIGHAM YOUNG UNIVERSITY  
AUVSI CAPSTONE TEAM (TEAM 45)

# Capstone Project Contract

[illegible]

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## Revision History

| ID     | Rev. | Date | Description                   | Author          | Checked By |
|--------|------|------|-------------------------------|-----------------|------------|
| PC-444 | 1.0  | ...  | Opportunity development stage | Andrew Torgesen | ...        |

## Introduction

## Project Objective Statement

| ID     | Rev. | Date     | Description                              | Author          | Checked By        |
|--------|------|----------|--|-----------------|-------------------|
| PC-001 | 0.1  | 09-05-18 | Fall camp draft                          | Kameron Eves    | Tyler Miller      |
| PC-001 | 0.2  | 09-10-18 | Make more applicable to competition team | Ryan Anderson   | Tyler Critchfield |
| PC-001 | 0.3  | 09-13-18 | Revisions after design review            | Brandon McBride | Kameron Eves      |

Improve upon last year's BYU AUVSI unmanned aerial system (UAS) by improving path planning, obstacle avoidance, visual object detection, and payload delivery by April 1, 2019 with a budget of \$3,500 and 2,500 man hours.

## Contact Information

| Team Member Name  | Team Position                            | Contact Information                        |
|-------------------|--|--|
| Andrew Ning       | Coach                                    | aning@byu.edu<br>801-422-1815              |
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| Brady Moon        | Controls/Payload Team                    | bradygmoon@gmail.com<br>435-828-5858       |
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| Ryan Anderson     | Controls/Payload and Air-frame Team      | rymanderson@gmail.com<br>208-789-4318      |
| Jake Johnson      | Vision Team                              | jacobcjohnson13@gmail.com<br>801-664-7586  |
| Tyler Critchfield | Controls/Payload and Air-frame Team      | trcritchfield@gmail.com<br>206-939-8274    |
| Jacob Willis      | Controls/Payload Team and Safety Officer | jbwillis272@gmail.com<br>208-206-1780      |
| Connor Olsen      | Vision Team                              | connorolsen72@gmail.com<br>385-230-3932    |
| Kameron Eves      | Controls/Payload Team                    | ccackam@gmail.com<br>702-686-2105          |

## Project Approval Matrix

## Key Success Measures



## Change Management Procedure