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| Artifact ID:  CT-001 | Artifact Title:  Concept Testing Report | |  |
| Revision:  1.0 | Revision Date:  13 NOV 2019 | |
| Prepared by:  Autumn Twitchell | | Checked by:  checker |
| Purpose:  This artifact is provided to summarize the testing of our concepts that led to our chosen concept. | | |

# Revision History

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| --- | --- | --- | --- |
| Revision: | Revised by: | Checked by: | Date: |
| 1.0 | Autumn Twitchell | checker | 13 NOV 2019 |

# References

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| --- | --- | --- |
| Artifact ID: | Revision: | Title: |
| N/A | N/A | N/A |

# Concept Testing

For our testing, we chose to split our system into three different components and from there we developed concepts and how to test whether they are viable concepts. Below are the results of our testing for each concept. More information on each concept can be found in the following artifacts: CD-001, …

Test Results:

* Reactive Tracking Concept: In our Python simulation, our test was successful in keeping the in-flight vehicle in the field of view at all times when we gave the system an update rate of 2 Hz. This proved to be exactly what we want to accomplish our goal of having the vehicle in the range of our antenna at all times.
* Predictive Concept
* Server Selection Concept
* Server-Controller Communication Concept
* Processor Concept:
* Positioner Concept:
* GUI Concept:
* Controls Concept:
* Camera Mount – N/A