

# Team Decided – Raft Consensus

Inception Iteration Plan 9 - Starting 23/07/2018

## 1. Key Milestones

Milestone	Date
Iteration Start	23/07/2018
Dynamic Cluster Membership (nodes coming and leaving from cluster, cluster expanding/shrinking with more/less nodes) and Designate UAS	23/07/2018
Focusing on code quality/multithreading	23/07/2018
Redesign unit testing suite for further extensive verification of existing functionality	23/07/2018
Iteration End	05/08/2018

## 2. High-level Objectives

ID	Objective	Date
1	Dynamic Cluster Membership (nodes coming and leaving from cluster, cluster expanding/shrinking with more/less nodes) and Designate UAS	25/07/2018
2	Focusing on code quality/multithreading	25/07/2018
3	Redesign unit testing suite for further extensive verification of existing functionality	25/07/2018

### 3. Evaluation Criteria

Obj. ID	Evaluation Criteria
1	Create ability to have Dynamic Cluster Membership (nodes coming and leaving from cluster, cluster expanding/shrinking with more/less nodes) and Designating a UAS
2	Completed a full project code review and refactored where necessary to increase code quality/reliability. With a focus on multithreading.
3	Redesigned unit testing suite which better verifies existing functionality

#### 4. Work Item Assignments

State:

C – Complete

P – In Progress

W – Waiting to start

Work ID	Name or keywords	Outcome	State	Assigned to	Est (hrs)	Act (hrs)	Left (hrs)
1	Dynamic Cluster Membership (nodes coming and leaving from cluster, cluster expanding/shrinking with more/less nodes) and Designate UAS		W	Sean	40:00		
2	Focusing on code quality/multithreading	Refactoring complete, currently tracking down bugs which	P	Joshua	5:00		
3	Redesign unit testing suite for further extensive verification of existing functionality	Completed (coverage and testing of code base that isn't undergoing changes)	P	Sean	10:00		
Totals					55:00		

5. Issues

Issue	Status	Notes

## 6. Assessment

<b>Assessment target</b>	Inception Iteration 9	
<b>Assessment date</b>	05/08/2018	
<b>Participants</b>	All - Joshua and Sean	
<b>Project status</b>		
<b>Assessment against objectives</b>	<b>Objective</b>	<b>Result</b>
	Dynamic Cluster Membership (nodes coming and leaving from cluster, cluster expanding/shrinking with more/less nodes) and Designate UAS	
	Focusing on code quality/multithreading	
	Redesign unit testing suite for further extensive verification of existing functionality	