

# Progress Review 1

By:

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Project Sponsors:





# Progress Summary

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Part	Done	In Progress
Perception	<ol style="list-style-type: none"><li>1. Visualized the Radar data using the OpenCPN library with BR24 Radar plugin.</li><li>2. Compiled the source code of OpenCPN and BR24 Radar plugin.</li></ol>	Publish radar data to ROS nodes so that we can get raw data of the radar.
Path Planning	<ol style="list-style-type: none"><li>1. Subscribed to ROS topic sending IMU/GPS data on onboard computer.</li><li>2. Logged IMU/GPS data.</li><li>3. Playback feature for IMU/GPS data</li></ol>	Study state of the art path planning algorithms.

# Demo 1: Visualize Radar data in OpenCPN

## Demo 2: Playback IMU data

## Plan for 2<sup>nd</sup> progress review

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### 1. Perception:

Publish Radar data to ROS nodes and log Radar data.

### 2. Path Planning:

Based on research on path planning algorithms, decide one path planning algorithm to implement.