**EMERGENCY STATIONS**

**PROJECT’S VISION AND SCOPE DOCUMENT**

Version 1

Date: 11/6/2019

Document’s Purpose: To describe the vision, the goal or purpose meant to be achieved by this project, while also describing the scope, meaning the restrictions and limitations of the project.

Problem

The problem being addressed in this project is the laborious manual inspection of emergency station’s inventory. With a high number of emergency stations deployed in remote places, it makes their maintenance time-consuming, ineffective, and wasteful. The Emergency Stations (ES) are intended to solve this issue.

Vision

The ESs are intended to relay inventory and location information within a set time period, every 12 hours, to be displayed in a website for convenience. Having this crucial information allows the maintenance to be precise, to the stations that need more supplies. Additionally, having the location information, GPS coordinates, of the stations makes it much easier to find the stations to restock their inventories.

Scope

The ESs will only update after a set time period, every 12 hours. Cellular transmission with the rockBLOCK has a 50-bit restriction to reduce the cost of each transmission. This reduces the amount of information such as diagnostics, error flags, and inventory values, that can be sent to the gmail account. Other restrictions are purely physical limitations, like the short-range of radio transmission, or financial limitations, like the quality of hardware.