Course Project – Project Scope Statement

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This research is submitted on the date August 22, 2020 Dr. Ashley Cobb Business Project Management Course.

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PROJECT SCOPE STATEMENT

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Date: August 22,2020

Position Held: Project Manager

PROJECT OBJECTIVE

- The overall objective of this project is for SacTactical to develop, manufacture, and deliver 200 military grade Backpacks with built in refrigerated pouch and radio module for the U.S. Army, Ground Forces and Special Operations. Within the allocated resources budget of $1.5 million dollars and processing timeline within 18 months to deliver final product. The U.S. Army, Ground Forces and Special Operations will receive first production shipments approximately one year from the date of purchase.

PROJECT ASSUMPTIONS

- SacTactical Will assume the US Army will deliver agreed-upon payments for the backpack project inline and on time as planned and requested. We assume the materials for the backpack will meet specific quality guidelines and specifications and that all special materials, vendors, and suppliers will be recommended by the US Army. We assume the same understanding and quality standards for parts and components that will be implemented to build the refrigerator technology and radio module as well. SacTactical also assumes open clear lines of communication, dedication to building

the project inducing unseen scenarios that could occur will be communicated clear and concise by both the U.S Army and SacTactical.

DELIVERABLES

- Deliverables include 200 military-grade Backpacks built to spec with built-in refrigerated pouch and radio modules. SacTactical will strive to deliver these products under budget and on-time as always. Allocating delivery of one hundred units delivered in twelve months ARO (after receipt of order). Followed by fifty units every three months after the first delivery. We have a split order of one hundred backpacks that will be delivered to the U.S. Army ground Forces and one hundred backpacks that will be delivered to the U.S. Special operations forces. The client has requested a supplemental (follow-on) contract for future additional units (backpacks). The client also has expressed quality specifications for top materials and technologies integrations that can withstand the durability, weight, and strength requirements of live solders in the field. We must deliver our best work!

MILESTONES

- Project Award Sept. 1, 2015
- First milestone payment (from customer): October 30, 2015
- Initial Program review (at the customer's site): November 16, 2015
- Subsequent Program reviews: 6 months after the initial review (PR) May. 16, 2016
- Production begins June. 16, 2016
- First delivery: September 1, 2016
- Program Review (PR) Nov. 16, 2016

- Second delivery: December 1, 2016
- Second Milestone payment: January 30, 2017
- Last delivery: March 1, 2017
- Final 3rd Milestone payment: May 30, 2017

TECHNICAL REQUIREMENTS

- The technical requirements for this project will be defined by the Mil-spec standards in research and development *(VIP Rubber, 2020).* The military specification is the standard specification used by the US military outside ISO standards. Military spec grade materials for the backpack will need to be tested to meet certifying material specifications maintaining certain characteristics to meet physical strength, resistance to temperature, flammability, and other environmental requirements. The backpack will also incorporate a radio module that will need to be tested in accordance with Military Radio Specifications (MRS) *(Military Specifications, 1997)*. testing will diverge meeting specified frequency coverage, modulation, and power requirements. Radio components will also need to compact, lightweight, and tactical solid-state technology. Other technical requirements will be to adapt a refrigerated pouch which could be implemented as a coolant-based subsystem integration or cold pack hand pouch. These specifications will need to stay within the parameters of the scope according to the U.S. Army specifications. Testing phases and utilization will be allocated further in research and development.

LIMITS AND EXCLUSIONS

- Meeting milestones and timelines based on extensive research and development such as integrated technology, prototypes, and acceptance testing for both the refrigeration pouch and radio module.

Both might serve possible issues and constraints. If the technology takes too long to develop, parts are hard to acquire, stringent specifications, tolerances, or failed ineffective testing could cause lags in both time and resources ineffectively causing constraints on the budget, deadlines, and meeting milestones. This could possibly assume several project risks factors. Also, acquiring obtaining specific raw materials the backpack material and its electronic components could also be a possible limitation depending on the agreed-upon classified materials with suppliers and vendors to meet special specifications, and delivery times of raw materials. This could ineffectively cause budget limitations with the given $1.5 dollar budget being exceeded and possibly reckoning the implementations and expectations of the client.

PROJECT RISK

- Potential project risk could occur with meeting client's specifications on the deadline and meeting specific milestone expectations due to the possible complexity, research, and development, prototypes, and testing of the technology that we are integrating into this backpack. Other risks could occur through exceeding possible limitations of the specified budget $1.5 million budget due to more man-hours. Also, depending on the preliminary research and development of the Technologies and design of the backpack and its initial phase. Suppliers and vendors could cause potential risks. Meeting the needs to supply specific mil-spec materials within the given timelines to be accumulated for testing and production purposes could pose a potential risk. As well as possible break downs of any communication channels within the project, Inducing the design and implementation of the product to meet milestones from the client and our internal teams. issues and challenges must be addressed and communicated at all times.

References

Military Specifications. (1997, Jan 1). *Military Radio Specifications.* Retrieved from http://www.milspec.ca/radspec/radspec.html: http://www.milspec.ca/radspec/radspec.html

VIP Rubber. (2020). *Military Spec Materials*. Retrieved from https://viprubber.com/materials/spec-materials/mil-spec/: https://viprubber.com/materials/spec-materials/mil-spec/