

Secure Communications Protocol For Drones Based On A Flying Ad Hoc Network

Software Requirements Specification

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1. Chapter Overview

This document contains an overview of the software requirements, the goals of this project and all the associated stakeholders of this project.

2. Rich Picture Diagram

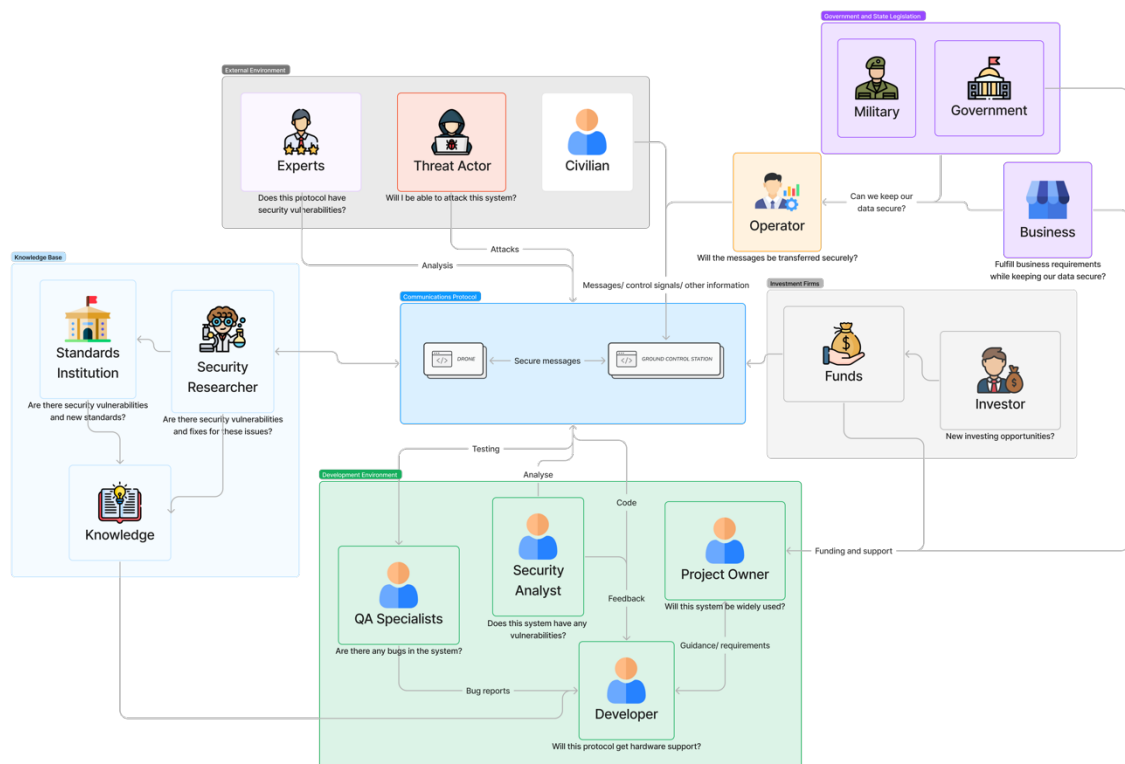


Figure n: Rich picture diagram.

3. Stakeholder Analysis

| 4. Stakeholder | Stakeholder Type | Description |
|--|----------------------|--|
| Developer | Developer | The development team developing the system. |
| QA Team | | Check if the system works as intended and give feedback to the developer regarding any bugs. |
| Project Manager | | Manages the project and coordinates development. |
| Security Analysts | | Check if the system has any security vulnerabilities and inform the developers. |
| Operational Support | Operational | Provide support to the system users. |
| Project Owner | Owner | The owner of the product. |
| Domain Expert (security specialist) | Consultant | Check if the system has any issues and it complies to standards. Also checks if the system is viable in different scenarios (i.e., legal). |
| Government/ Law Enforcement | Wider Environment | The governing body of a geographical location which authorizes the usage of the protocol. |
| Military | User | The military which can use this system for military activities (i.e., intelligence gathering, surveillance, reconnaissance, communications, etc.). They can also use this system for disaster management. |
| Businesses | | Businesses can use this system for various business applications (i.e., surveillance). |
| Civilians | | Civilians can use this system for secure communications and other civilian uses. |
| Operator | | Operators that operate the system and provide services to third parties (i.e., businesses, government entities, etc.). |
| Threat Actors | Negative Stakeholder | Threat actors that attack the system and attempt to get sensitive information that are transmitted. This could be normal and sponsored hackers, and militaries from other countries. |
| Sponsors | Financial Support | People who give financial support to build the system. This may include individual people, governments, businesses and other parties. |

3.1. Stakeholder Onion Model