

TEST PLAN PROJECT

NEW UNMANNED AIR VEHICLE FOR SURVEILLANCE OR STRIKE ROLE

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# **1 INTRODUCTION**

## PURPOSE

The purpose of this test project is to (…).

## SYSTEM DESCRIPTION

The (XXXX) is a high altitude, long range, all-weather intelligence gathering unmanned aerial vehicle with limited strike capability. The (XXXX) is equipped with sensors, cameras, and an electronic warfare countermeasure suite. It is a powered by a single engine and can fly up to (XXXX) nautical miles to its target area, loiter overhead for 60 hours then return to its origin.

# **2 MISSION NEED and OPERATIONAL REQUIREMENT**

## MISSION NEED

The CJCS and the CIA has determined that a need exists to gather data, target and strike within the (XXX) operational arena in support of (XXX level) operations at distances of up to (XXX) from the main body of forces and to do so in near real time response to stated needs from the operational commander.

## OPERATIONAL REQUIREMENTS

The (XXX) shall be flown by a 2 pilots

The (XXX) must be fully transportable and compartmentalized into no more than six pieces

The (XXX) must be able to land and take off within 1000ft

Time to reassemble the (XXXX) shall not exceed six hours

The (XXX) must be able to fly up to 75,000 ft

The Synthetic Aperture Radar must capable to see through haze, clouds and smoke.

The cameras must be high definition, night vision and inferred and capable of producing full motion video.

The (XXX) shall

The (XXX) shall

The (XXX) shall

The (XXX) shall

# **3 SCOPE AND EVALUATION**

## CRITICAL TECHNICAL PARAMETERS

## GENERAL FUNCTION AND CAPABILITY DENDRITICS

## CRITICAL OPERATIONAL ISSUES

## MEASURES OF EFFECTIVENESS/SUITABILITY AND MEASUREMENTS OF PERFORMACE

## TEST OBJECTIVE MATRIX

|  |  |  |
| --- | --- | --- |
| COI | Test Objectives and Sub Objectives | Test |
|  |  |  |
|  |  |  |

## GENERAL TEST OPERATIONS AND SCENARIO OVERVIEW

## INSTRUMENTATION REQUIREMENTS

## LIMITATIONS AND SCOPE OF TEST

# **4 OPERATIONAL EFFECTIVENESS**

SCENARIOS AND RUN PROFILES

E-TESTS

# **5 OPERATIONAL SUITABILITY**

## S-TESTS

### COMPATIBILITY

### HUMAN FACTORS

# **ANNEX A: RESOURCE REQUIREMENTS**

# **ANNEX B: DATA SHEETS AND QUESTIONNAIRES**

# **ANNEX C: OMITTED**

# **ANNEX D: DATA ANALYSIS PLAN**