ATTACHMENT 11

PROJECT SECURITY GUIDELINES

1.0 INTRODUCTION

The purpose of this document is to provide security guidelines to be followed by all contractors participating in System Definition for the EOI System.

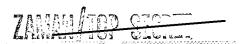
2.0 GENERAL GUIDELINES

Development of the EOI System, known as Project ZAMAN, is a BYEMAN project and is therefore under the protection of the BYEMAN Control System. The general security guidelines and requirements for the BYEMAN Control System are set forth in the BYEMAN Industrial Security Manual, a copy of which will be furnished to each contractor involved in Project ZAMAN. Any changes in this guide will be published by Project Headquarters as amendments. The provisions in this manual, including any amendments, along with the classifications indicated in Section 3.0 below shall constitute the security guidelines to be followed by contractors performing the EOI System Definition.

3.0 SECURITY CLASSIFICATION

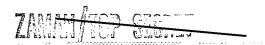
3.1 Top Secret





As a general rule, the following categories of BYEMAN information which are contained in or can be derived from documents, technical data, software, and hardware are considered TOP SECRET:

- 1. Information or material from which the ultimate application of the total system or program can be determined. Such information would be broad in scope including such matters as development plans describing the total system, reports regarding total system capability, performance, evaluation, and characteristics, etc.
- 2. Information concerning targets, operational requirements, missions, concepts, plans, schedules, results, real time operational data, etc.
- 3. Vulnerability of the total system and countermeasures employed.
- 4. Identification of the customer or contracting officer and their modus operandi with regard to Project Security, contracting, and procurement techniques.
- 5. Significant advances in the state of the art or unique utilization of state of the art technology in the system.



6. Actual sensor performance as verified through mission use or engineering test using simulated conditions.

3.2 Secret

Categories of BYEMAN information generally considered to be SECRET are:

- 1. Technical information, engineering reports, drawings, and material pertaining to a subsystem.
- 2. Sensor subsystems and studies.
- 3. Offices and sites involved in support of the Project which may be under a cover name or organization.
- 4. Identity of contractor participants.
- 5. Contract specifications, engineering system requirements, requests for proposals, progress reports, software and hardware specifications, and drawings relating to the subsystem that reveal information relating to the total system.

3.3 Project ZAMAN

Item

- Project designation is ZAMAN
- 2. Project designation is ZA or Z

Classification

SECRET/ZAMAN

Unclassified



Item

Classification

3. Project scope in depth, e.g., complete Project plans

TOP SECRET/ZAMAN

4. Role of CIA in Program --Category III individual briefing

TOP SECRET/ZAMAN

5. Fact that mission is a covert satellite reconnaissance program

SECRET/ZAMAN

6. Fact that mission includes earth orbiting satellites

SECRET/ZAMAN

7. Fact that data is

SECRET/ZAMAN

Imaging and Imaging Studies

1. Design performance characteristics of imaging subsystems

SECRET/ZAMAN

2. Fact that vehicle is a surveillance system

SECRET/ZAMAN

3. Fact that transducer uses electrooptical sensor, phototransistor array, photo diode array

SECRET/ZAMAN

4. Optical subsystem characteristics (quantitative and qualitative)

SECRET/ZAMAN

5. Fact that vehicle contains an optical subsystem or involves imagery, mirrors, etc.

SECRET/ZAMAN

6. Frame size on ground (quantitative and qualitative)

SECRET/ZAMAN

7. Dimensions or weight of primary mirror (quantitative)

SECRET/ZAMAN

8. Fact that vehicle uses electromagnetic return of data

SECRET/ZAMAN



Item

Classification

Imaging Satellite

1. Access to or possession of assembled imaging satellite or components that reveal mission

TOP SECRET/ZAMAN

2. External view of complete spacecraft

SECRET/ZAMAN

3. Estimated, calculated, or actual spacecraft major dimensions or total weight

SECRET/ZAMAN

4. Operational life (quantitative)

SECRET/ZAMAN

5. Spacecraft reliability (quantitative)

SECRET/ZAMAN

6. Maneuver rate (quantitative)

SECRET/ZAMAN

7. The simulated

SECRET/ZAMAN

Transducer (Solid State Array)

1. Microelectronics structures and functions, including masks and associated drawings, silicon waiers and chips in various stages of production; production line itself, first level testing and selection of chips; chip carriers, the assembled carrier and final trimming (laser) of the chip and carrier

Unclassified

 The testing of the trimmed chip carrier assembly and all subsequent testing and assembly operations SECRET/ZAMAN

Operations and Performance

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MANDLE VIA BYEMAN MONTROL SYSTEM ONLY

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<u>Item</u>		Classification
1. Orbit	altitude (quantitative)	SECRET/ZÂMAN
2. Orbit	inclination (quantitative)	SECRET/ZAMAN
3. Ground trace information, including frequency of coverage		SECRET/ZAMAN
	n target areas in terms of de and longitude, continents tions	TOP SECRET/ZAMAN
5. Image itative	e quality (quantitative and qual- e)	SECRET/ZAMAN
6. Syste	m reliability (quantitative)	SECRET/ZAMAN
Communications		
1. Exact	t carrier frequencies	SECRET/ZAMAN
2. Fact telem	that command and etry are used	SECRET/ZAMAN
_	e data rate (quantitative or ative)	SECRET/ZAMAN
4. Exact	t bandwidth	SECRET/ZAMAN
5. Fact	that cryptography is used	SECRET/ZAMAN
6. Fact	that band is used	SECRET/ZAMAN
Cost and Production		
1. Total	program cost	SECRET/ZAMAN
2. Unit	cost of spacecraft	SECRET/ZAMAN
3. Any cost	contractor Program price or	SECRET/ZAMAN
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Classification Item SECRET/ZAMAN 4. Quantity of spacecraft or launches planned Schedules 1. Complete program schedules SECRET/ZAMAN 2. Unit delivery dates SECRET/ZAMAN 3. Actual, schedules or estimated SECRET/ZAMAN launch date 4. Launch rate or intervals between SECRET/ZAMAN launchings Flight Operations SECRET/ZAMAN 1. Confirmation of the presence of a ZAMAN vehicle on board any launch 2. Access to ZAMAN vehicle checkout SECRET/ZAMAN areas 3. External view of vehicle (design Unclassified criteria must be such that external view on the pad is unclassified). Deception techniques may be required TOP SECRET/ZAMAN 4. Vulnerability and countermeasures TOP SECRET/ZAMAN System evaluation reports

operational data

control and data acquisition systems

7. Operating frequencies of vehicle

8. Orbital Transfer Maneuvers (point

mode, etc.)

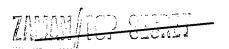
and time of injection; synchronous

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TOP SECRET/ZAMAN

TOP SECRET/ZAMAN

SECRET/ZAMAN



Item

Classification

Launch Vehicle

1. Identification of booster

Unclassified

Ground System Segments (R/F-O/F-P/F)

ZAMAN Ground System Segments

Unclassified (within context of a cover plan)

Equipment, assembly, installation and operation; any other mission-revealing equipment

SECRET/ZAMAN

Data Relay Satellites

1. AF

Appropriate DOD classification (non-mission revealing)

2. Interface with AF which could reveal mission

SECRET/ZAMAN

