

ATTACHMENT 11PROJECT 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

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GROUP 1
Excluded from automatic
downgrading and
declassification

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~~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.

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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

<u>Item</u>	<u>Classification</u>
1. Project designation is ZAMAN	SECRET/ZAMAN
2. Project designation is ZA or Z	Unclassified

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<u>Item</u>	<u>Classification</u>
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 <input type="text"/>	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 electro-optical 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 electro-magnetic return of data	SECRET/ZAMAN

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<u>Item</u>	<u>Classification</u>
<u>Imaging Satellite</u>	
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 <input type="text"/> <input type="text"/>	SECRET/ZAMAN

Transducer (Solid State Array)

1. Microelectronics structures and functions, including masks and associated drawings, silicon wafers 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
2. The testing of the trimmed chip carrier assembly and all subsequent testing and assembly operations	SECRET/ZAMAN

Operations and Performance

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<u>Item</u>	<u>Classification</u>
1. Orbit altitude (quantitative)	SECRET/ZAMAN
2. Orbit inclination (quantitative)	SECRET/ZAMAN
3. Ground trace information, including frequency of coverage	SECRET/ZAMAN
4. Earth target areas in terms of latitude and longitude, continents or nations	TOP SECRET/ZAMAN
5. Image quality (quantitative and qualitative)	SECRET/ZAMAN
6. System reliability (quantitative)	SECRET/ZAMAN
<u>Communications</u>	
1. Exact carrier frequencies	SECRET/ZAMAN
2. Fact that [] command and telemetry are used	SECRET/ZAMAN
3. Image data rate (quantitative or qualitative)	SECRET/ZAMAN
4. Exact bandwidth	SECRET/ZAMAN
5. Fact that cryptography is used	SECRET/ZAMAN
6. Fact that [] band is used	SECRET/ZAMAN
<u>Cost and Production</u>	
1. Total program cost	SECRET/ZAMAN
2. Unit cost of spacecraft	SECRET/ZAMAN
3. Any contractor Program price or cost	SECRET/ZAMAN

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<u>Item</u>	<u>Classification</u>
4. Quantity of spacecraft or launches planned	SECRET/ZAMAN

Schedules

1. Complete program schedules	SECRET/ZAMAN
2. Unit delivery dates	SECRET/ZAMAN
3. Actual, schedules or estimated launch date	SECRET/ZAMAN
4. Launch rate or intervals between launchings	SECRET/ZAMAN

Flight Operations

1. Confirmation of the presence of a ZAMAN vehicle on board any launch	SECRET/ZAMAN
2. Access to ZAMAN vehicle checkout areas	SECRET/ZAMAN
3. External view of vehicle (design criteria must be such that external view on the pad is unclassified). Deception techniques may be required	Unclassified
4. Vulnerability and countermeasures	TOP SECRET/ZAMAN
5. System evaluation reports	TOP SECRET/ZAMAN
6. <input type="text"/> operational data	TOP SECRET/ZAMAN
7. Operating frequencies of vehicle control and data acquisition systems	TOP SECRET/ZAMAN
8. Orbital Transfer Maneuvers (point and time of injection; synchronous mode, etc.)	SECRET/ZAMAN

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<u>Item</u>	<u>Classification</u>
<u>Launch Vehicle</u>	
1. Identification of booster	Unclassified
<u>Ground System Segments (R/F-O/F-P/F)</u>	
ZAMAN Ground System Segments	Unclassified (within context of a cover plan)
Equipment, assembly, installation and operation; any other mission-revealing equipment	SECRET/ZAMAN
<u>Data Relay Satellites</u>	
1. AF <input data-bbox="342 821 578 873" type="text"/>	Appropriate DOD classification (non-mission revealing)
2. Interface with AF <input data-bbox="578 968 797 1020" type="text"/> which could reveal mission	SECRET/ZAMAN

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