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NATIONAL SECURITY AGENCY CENTRAL SECURITY SERVICE FORT GEORGE G. MEADE, MARYLAND 20755-6000

> FOIA Case: 84683A 2 June 2017

JOHN GREENEWALD

Dear Mr. Greenewald:

This is our final response to your Freedom of Information Act (FOIA) request of 14 June 2016 for Intellipedia entries on SIGINT and/or Signals Intelligence as well as any search results pages. A copy of your request is enclosed. As stated in our initial response to you, dated 14 June 2016, your request was assigned Case Number 84683. For purposes of this request and based on the information you provided in your letter, you are considered an "all other" requester. As such, you are allowed 2 hours of search and the duplication of 100 pages at no cost. There are no assessable fees for this request. Your request has been processed under the provisions of the FOIA.

For your information, NSA provides a service of common concern for the Intelligence Community (IC) by serving as the executive agent for Intelink. As such, NSA provides technical services that enable users to access and share information with peers and stakeholders across the IC and DoD. Intellipedia pages are living documents that may be originated by any user organization, and any user organization may contribute to or edit pages after their origination. Intellipedia pages should not be considered the final, coordinated position of the IC on any particular subject. The views and opinions of authors do not necessarily state or reflect those of the U.S. Government.

We conducted a search of all three levels of Intellipedia for the requested topics, and located three documents that are responsive to your request. These documents are enclosed. Certain information, however, has been deleted from the enclosure.

This Agency is authorized by statute to protect certain information concerning its activities (in this case, internal URLs) as well as the names of its employees. Such information is exempt from disclosure pursuant to the third exemption of the FOIA, which provides for the withholding of information specifically protected from disclosure by statute. The specific statute applicable in this case is Section 6, Public Law 86-36 (50 U.S. Code 3605). We have determined that such information exists in this record, and we have excised it accordingly.

In addition, personal information regarding individuals has been deleted from the enclosures in accordance with 5 U.S.C. 552 (b)(6). This exemption protects from disclosure information that would constitute a clearly unwarranted invasion of personal privacy. In balancing the public interest for the information you request against the privacy interests involved, we have determined that the privacy interests sufficiently satisfy the requirements for the application of the (b)(6) exemption.

Since these deletions may be construed as a partial denial of your request, you are hereby advised of this Agency's appeal procedures. You may appeal this decision. If you decide to appeal, you should do so in the manner outlined below.

• The appeal must be in sent via U.S. postal mail, fax, or electronic delivery (e-mail) and addressed to:

NSA/CSS FOIA/PA Appeal Authority (P132), National Security Agency 9800 Savage Road STE 6932 Fort George G. Meade MD 20755-6932

The facsimile number is (443)479-3612.

The appropriate email address to submit an appeal is FOIARSC@nsa.gov.

- It must be postmarked or delivered electronically no later than 90 calendar days from the date of this letter. Decisions appealed after 90 days will not be addressed.
- Please include the case number provided above.
- Please describe with sufficient detail why you believe the denial of requested information was unwarranted.
- NSA will endeavor to respond within 20 working days of receiving your appeal, absent any unusual circumstances.

For further assistance and to discuss any aspect of your request, you may contact our FOIA Public Liaison at foialo@nsa.gov. You may also contact the Office of Government Information Services (OGIS) at the National Archives and Records Administration to inquire about the FOIA mediation services they offer. OGIS contact information is: Office of Information Services, National Archives and Records Administration, 8601 Adelphi Road-OGIS, College Park, MD 20740-6001; e-mail: ogis@nara.gov; main: 202-741-5770; toll free: 1-877-684-6448; or fax: 202-741-5769.

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Finally, regarding your request for a copy of the search results pages, please be advised that the FOIA only requires that this Agency search for records that already exist at the time the search is conducted. Since no search results pages existed for this case when it was received, we are not obligated to fulfill this portion of your request.

Full W

JOHN R. CHAPMAN Chief, FOIA/PA Office NSA Initial Denial Authority

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(U) Signals intelligence

UNCLASSIFIED

From Intellipedia

You have new messages (last change).

This article is a stub. You can help Intellipedia by expanding it.

Signals intelligence is derived from signal intercepts comprising -- however transmitted -- either individually or in combination:

intellipedia

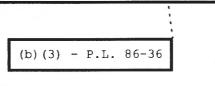
This article is also on the SIPRNet Intellipedia with additional information.

- all communications intelligence (COMINT)
- electronic intelligence (ELINT)
- foreign instrumentation signals intelligence (FISINT)

The NSA is responsible for collecting, processing, and reporting SIGINT. The National SIGINT Committee within NSA advises the Director, NSA, and the DNI on SIGINT policy issues and manages the SIGINT requirements system.

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Approved for Release by NSA on 06-02-2017, FOIA Case # 84683				
	4/2016			

(U) Signals Intelligence



SECRET

From Intellipedia

(U) **Signals Intelligence** (**SIGINT**) is a form of intelligence that refers to the information derived from foreign communications and electronic transmissions; additionally, it is the collection and processing of foreign communications passed by electromagnetic means and foreign non-communications electromagnetic radiation. Signals Intelligence is information comprised either individually or in combination with all Communications Intelligence (COMINT), Foreign Instrumentation Signals Intelligence (FISINT) or Electronic Intelligence (ELINT) and weapons related Command and Control Signals (PROFORMA). NSA is the controlling authority for all SIGINT.

(U) US SIGINT System

(U) The organizations who play important roles in the United States SIGINT System are:

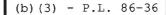
- NSA
- CIA
- NRO
- NASIC
- NGA
- DIA

(U) These organizations operate under the National SIGINT Requirements Process.

(U) References

 Foundations of SIGINT 	
CIA's Siprnet Website	4 8 8
 SOF SIGINT Collaboration and Reference Site 	
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Categories: SIGINT Intelligence Intelligence Disciplines	
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(U) Signals intelligence

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UNCLASSIFIED//FOUO

From Intellipedia

You have new messages (last change).

(U) Signals Intelligence (SIGINT) is a form of Technical Intelligence and is derived from the exploitation of foreign electronic emissions. SIGINT can be in the form of the actual information content of a signal or in the form of its temporal and spectral characteristics called signal operating parameters. SIGINT includes both the raw data and the analysis product of that data. According to Joint Publication 2-0, SIGINT breaks down into three sub disciplines -- ELINT, COMINT, and FISINT.

(U) PROFORMA has, at times, been referred to as the fourth sub discipline of SIGINT. However, according to NSACSS msg 161738Z AUG 04, (U) NEW DEFINITION FOR

PROFORMA, PROFORMA is "... formatted data communications ..." As such, it is one of many different general categories of communications that can be exploited as part of the sub discipline of COMINT. (In fact, the CLEON

course, "Introduction to Space-Based SIGINT Fundamentals," accurately breaks down SIGINT into three sub disciplines : ELINT, COMINT, and FISINT. PROFORMA is properly included as COMINT for that course.)

Contents

- I SIGINT Overview
- 2 (U) Strengths
- 3 (U) Weaknesses
- 4 (U) Assessing SIGINT Sources
- 5 (U) United States SIGINT System
 - 5.1 (U) SIGINT Collectors
- 6 (U) Adversary SIGINT Capabilities
- 7 (U) Links
- 8 Useful Links
- 9 (U) References

SIGINT Overview

(U) Signals Intelligence (SIGINT) is a category of intelligence comprising either individually or in combination all communications intelligence, electronic intelligence, and foreign instrumentation signals intelligence, however transmitted.^[1] Types of SIGINT include:

- (U) COMINT is technical and intelligence information derived from foreign communications by other than the
 intended recipients. ^[1] COMINT includes data the intelligence derived from the content of communications and data
 derived from tracking communications patterns and protocols (traffic analysis), establishing links between
 intercommunicating parties or groups, and analyzing the meaning of communications.
- (U) FISINT A subcategory of signals intelligence, consisting of technical information and intelligence derived from the intercept of foreign electromagnetic emissions associated with the testing and operational deployment of non-US aerospace, surface, and subsurface systems. Foreign instrumentation signals include but are not limited to telemetry,

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(b)(3) - P.L. 86-36

beaconry, electronic interrogators, and video data links. [1]

(U) ELINT is technical and geolocation information derived form foriegn non-communications electromagnetic emanations from other than nuclear detonations or radioactive sources.^[1] The most common form of ELINT signals are radar signals.^[2]

(U) Strengths

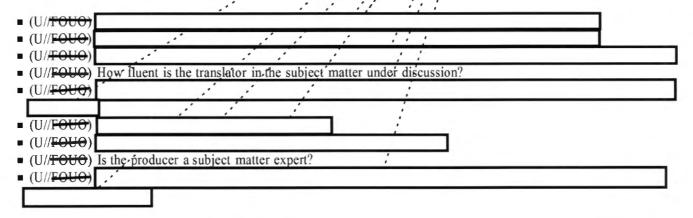
- (U) Access to otherwise inaccessible targets
- (U) Passive, non-detectable, stand-off collection
- (U) Accurate permanent record
- (U) Broad coverage
- (U) Electronic order of battle documentation
- (U) A window into communicated actions/decisions
- (U) Early-warning indicator^[3]

(U) Weaknesses

- (U) Target must be active
- (U) Subject to deception, encryption, and/or sophistication of signals
- (U) Costly
- (U) Requires highly trained personnel
- (U) Supplementary information required
- (U) Technical sensors limitations^[4]

(U) Assessing SIGINT Sources

(U) To assess the quality and credibility of COMINT reporting, users should consider the following:

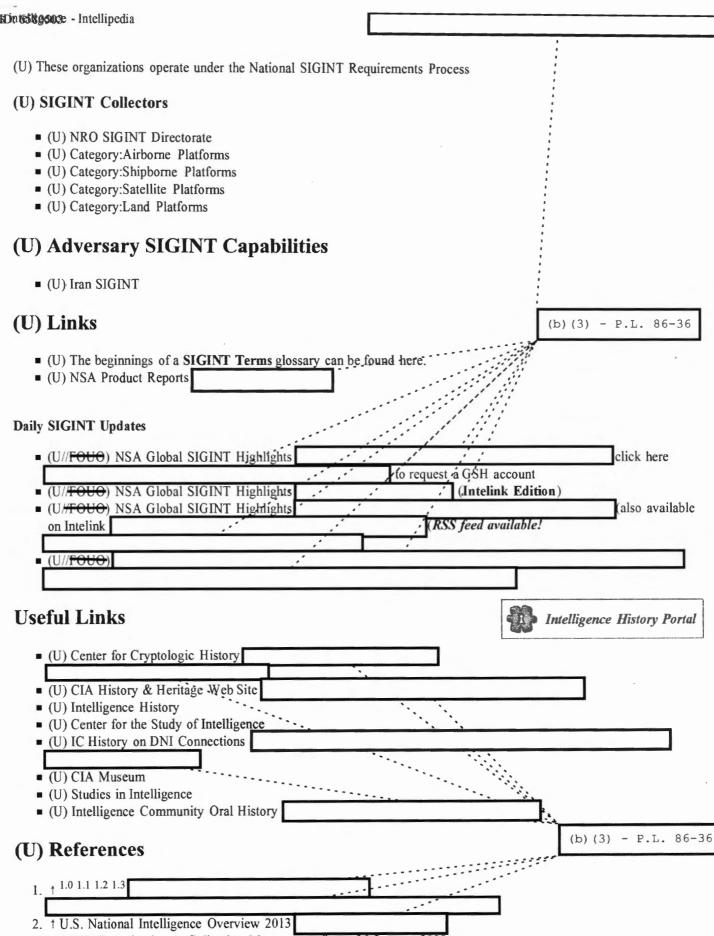


(U) United States SIGINT System

(U) The organizations who play important roles in the United States SIGINT System are:

- (U) NSA
- (U) CIA
- (U) NRO
- (U) NASIC
- (U) NGA
- (U) DIA

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5. † (U) Defense Intelligence Agency, (U) Sourcing Defense Intelligence Analysis, 3 January 2011.

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Sent: To:		Tuesday, June 14, 2016 4:49 AM donotreply@nsa.gov FOIA Request (Web form submission)		
Subject:				
Title: Mr.				
Full Name: John Greenev	vald			
email: john@greenewald	l.com			
Company: The Black Vau	lt			
Postal Address:				
Postal City:				
Postal State-prov: Ca		1		
Zip Code:				
Country: United States o	f America			
Home Phone:		а А		
Work Phone:				

Records Requested: To whom it may concern,

This is a non-commercial request made under the provisions of the Freedom of Information Act 5 U.S.C. S 552. My FOIA requester status as a "representative of the news media" however due to your agency's denial of this status, I hereby submit this request as an "All other" requester.

I prefer electronic delivery of the requested material either via email to john@greenewald.com or via CD-ROM or DVD via postal mail. Please contact me should this FOIA request should incur a charge.

I respectfully request a copy of the Intellipedia entry (from all three Wikis that make up the Intellipedia) for the following entry(s) (Or whatever similar topic may pertain if it is slightly worded differently):

SIGINT

and/or

Signals Intelligence

I also ask that you include a copy of the search results page, when inserting the above words / phrases into the Intellipedia search engine.

1

Thank you so much for your time, and I am very much looking forward to your response.

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Sincerely,

John Greenewald, Jr.