

De Snowden-leaks – Mythe en realiteit



Peter Koop, Electrospace.net, april 2015



Programma

- Mythe en realiteit
- De informatiekanalen van de NSA
- Wat ontbreekt in de media
- Vragen



Wat de NSA verzamelt

SIGINT = Signals Intelligence, bestaande uit:

- **COMINT** = Communications Intelligence (electronische communicatiesignalen tussen mensen)
- **ELINT** = Electronic Intelligence (alle overige electronische signalen, bijv. van radar en wapengeleidingssystemen)

De NSA verzamelt dus geen informatie uit menselijke bronnen (HUMINT), fotografisch materiaal (IMINT) of Open Source (OSINT).





De informatiekanalen van de NSA – Overzicht

- Onderscheppen van draadloze signalen
- Aftappen van internetkabels
- Hacken van computers
- Lokale units van NSA en CIA
- Uitwisseling met partner-diensten



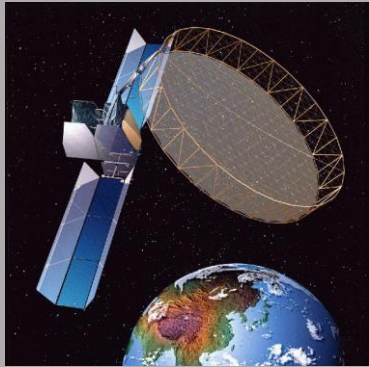


De informatiekanalen van de NSA – Locaties





Het onderscheppen van draadloze signalen



SIGINT satellites



Lockheed U-2



Northrop Grumman Global Hawk



Beechcraft C-12



Lockheed EP-3



Arleigh Burke-class destroyers





Menwith Hill Station



Prophet Ground System



Het aftappen van internetkabels

  **TOP SECRET//COMINT//NOFORN**

Today's Cable Program

Three Access Portfolios

- Corporate**
 - BLARNEY - FISA
 - FAIRVIEW
 - STORMBREW
 - OAKSTAR
 - PRISM
 - FAA
- Foreign**
 - RAMPART-A (3rd Party)
 - WINDSTOP (2nd Party)
- Unilateral**
 - RAMPART-M**
 - RAMPART-I/X
 - RAMPART-T (ClanSIG)
 - DANCINGOASIS**
 - MYSTIC

TOP SECRET//COMINT//NOFORN

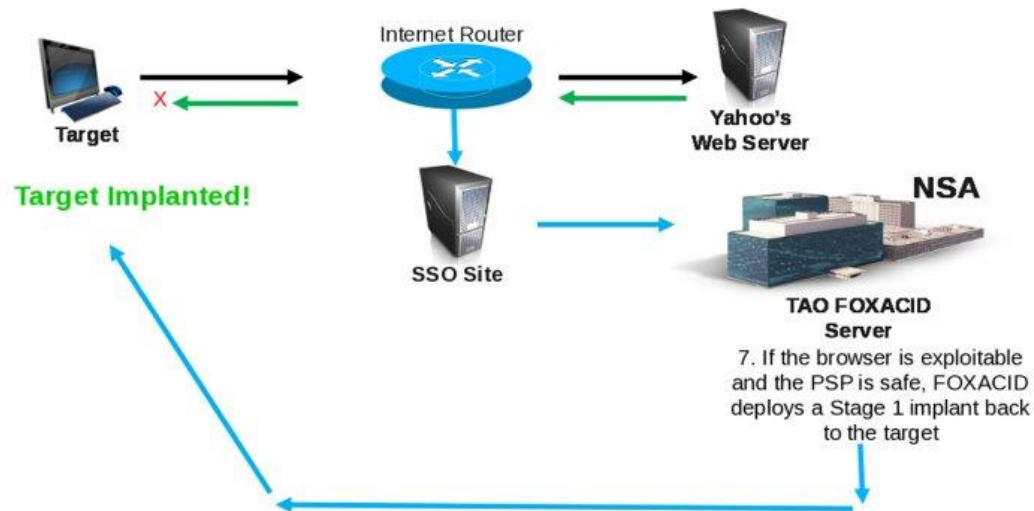


Het hacken van computers – Via internet

TOP SECRET//SI//REL USA, AUS, CAN, GBR, NZL

What is QUANTUM?

QUANTUM Generic Animation – High Level of How It Works





Het hacken van computers – Draadloos

TOP SECRET//COMINT//REL TO USA, FVEY



RAGEMASTER ANT Product Data

(TS//SI//REL TO USA,FVEY) RF retro-reflector that provides an enhanced radar cross-section for VAGRANT collection. It's concealed in a standard computer video graphics array (VGA) cable between the video card and video monitor. It's typically installed in the ferrite on the video cable.

24 Jul 2008

(U) Capabilities

(TS//SI//REL TO USA,FVEY) RAGEMASTER provides a target for RF flooding and allows for easier collection of the VAGRANT video signal. The current RAGEMASTER unit taps the red video line on the VGA cable. It was found that, empirically, this provides the best video return and cleanest readout of the monitor contents.



(U) Concept of Operation

(TS//SI//REL TO USA,FVEY) The RAGEMASTER taps the red video line between the video card within the desktop unit and the computer monitor, typically an LCD. When the RAGEMASTER is illuminated by a radar unit, the illuminating signal is modulated with the red video information. This information is re-radiated, where it is picked up at the radar, demodulated, and passed onto the processing unit, such as a LFS-2 and an external monitor, NIGHTWATCH, GOTHAM, or (in the future) VIEWPLATE. The processor recreates the horizontal and vertical sync of the targeted monitor, thus allowing TAO personnel to see what is displayed on the targeted monitor.

Unit Cost: \$ 30

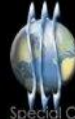
Status: Operational. Manufactured on an as-needed basis. Contact POC for availability information.

POC: [redacted] S32243, [redacted], [redacted] @nsa.ic.gov

Derived From: NSA/CSSM 1-52
Date: 20070108
Declassify On: 20320108

TOP SECRET//COMINT//REL TO USA, FVEY

TOP SECRET // COMINT // REL TO USA, AUS, CAN, GBR, NZL



Special Collection Service

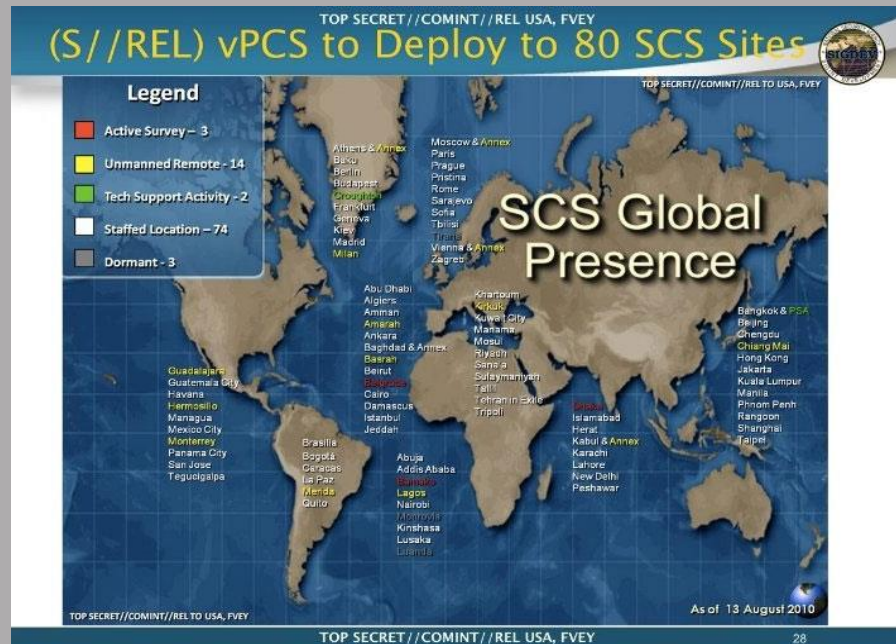
EINSTEIN/CASTANET



TOP SECRET // COMINT // REL TO USA, AUS, CAN, GBR, NZL



Lokale units van NSA en CIA in Amerikaanse ambassades



Zo'n 80 locaties van de NSA/CIA Special Collection Service (SCS) wereldwijd in 2010

De Amerikaanse ambassade in Berlijn met af luisterpost op het dak:





Wat ontbreekt in de media

- De doelstellingen van de NSA
- De militaire kant van de NSA
- De internationale samenwerking

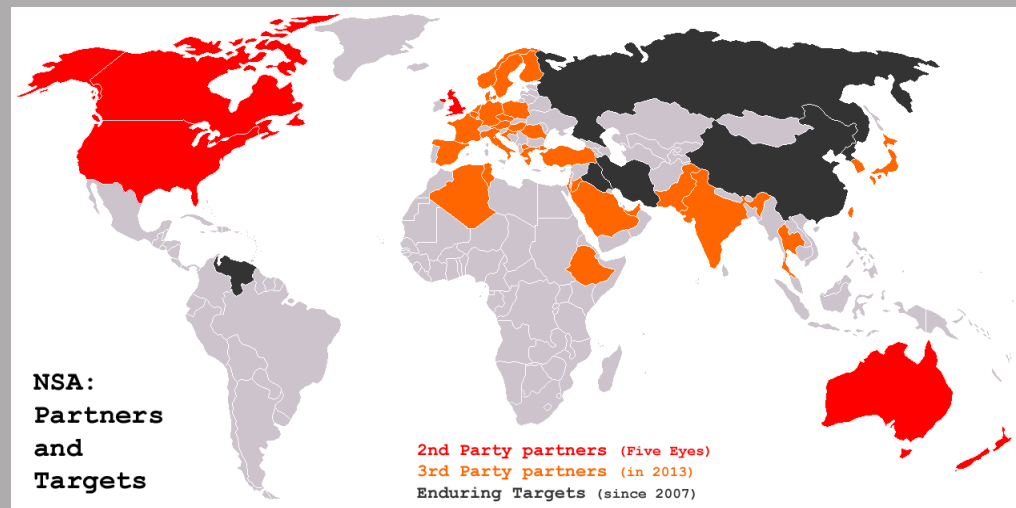


De doelstellingen van de NSA (1)

Strategic Mission List – Enduring Targets

January 2007

- China
- North-Korea
- Iraq
- Iran
- Russia
- Venezuela





De doelstellingen voor de NSA (2)

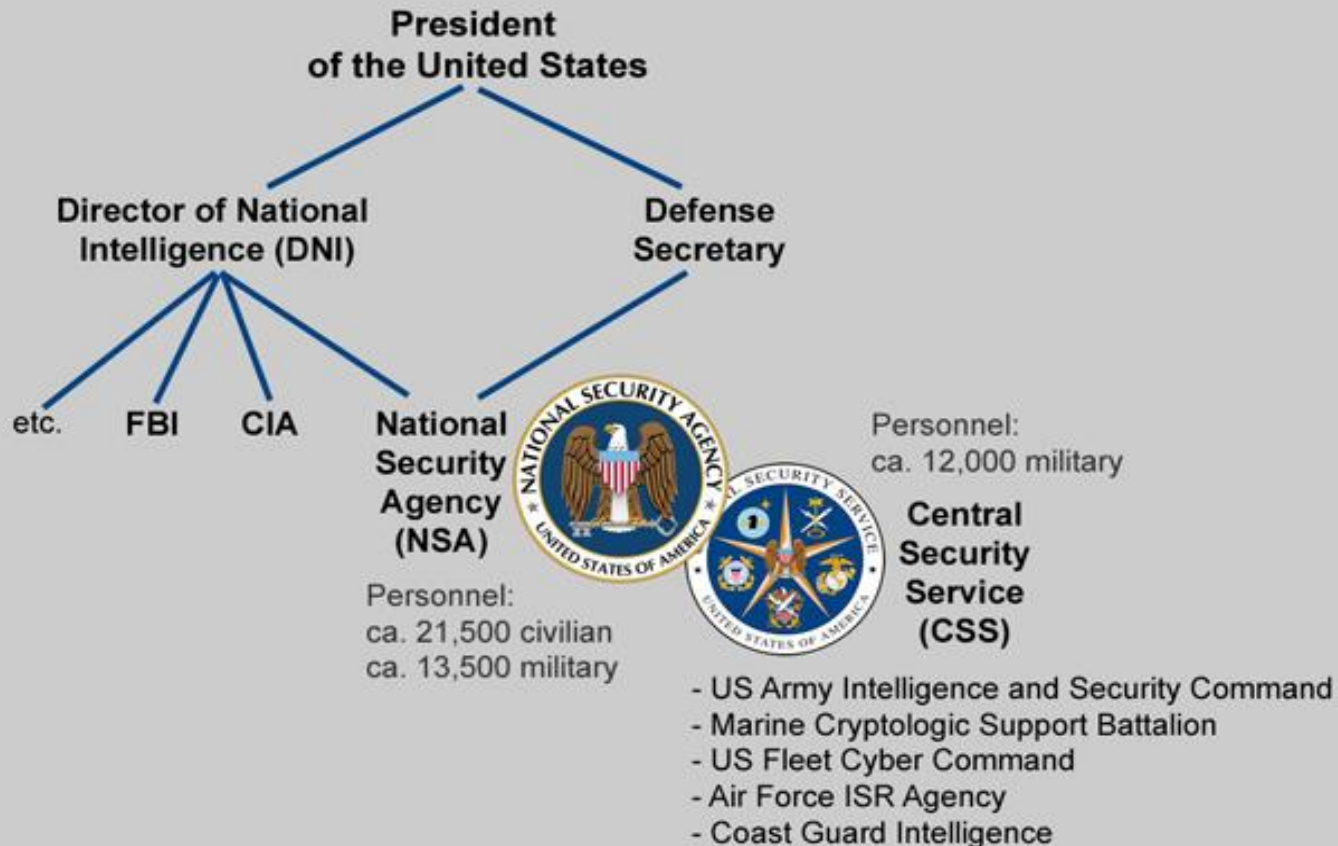
Strategic Mission List - Topical Missions

January 2007

- Winning the Global War on Terrorism
- Protecting the U.S. Homeland
- Combating Proliferation of Weapons of Mass Destruction
- Protecting U.S. Military Forces Deployed Overseas
- Providing Warning of Impending State Instability
- Providing Warning of a Strategic Nuclear Missile Attack
- Monitoring Regional Tensions that Could Escalate
- Preventing an Attack on U.S. Critical Information Systems
- Early Detection of Critical Foreign Military Developments
- Preventing Technological Surprise
- Ensuring Diplomatic Advantage for the US
- Ensuring a Steady and Reliable Energy Supply for the US
- Countering Foreign Intelligence Threats
- Countering Narcotics and Transnational Criminal Networks
- Mapping Foreign Military and Civil Communications Infrastructure

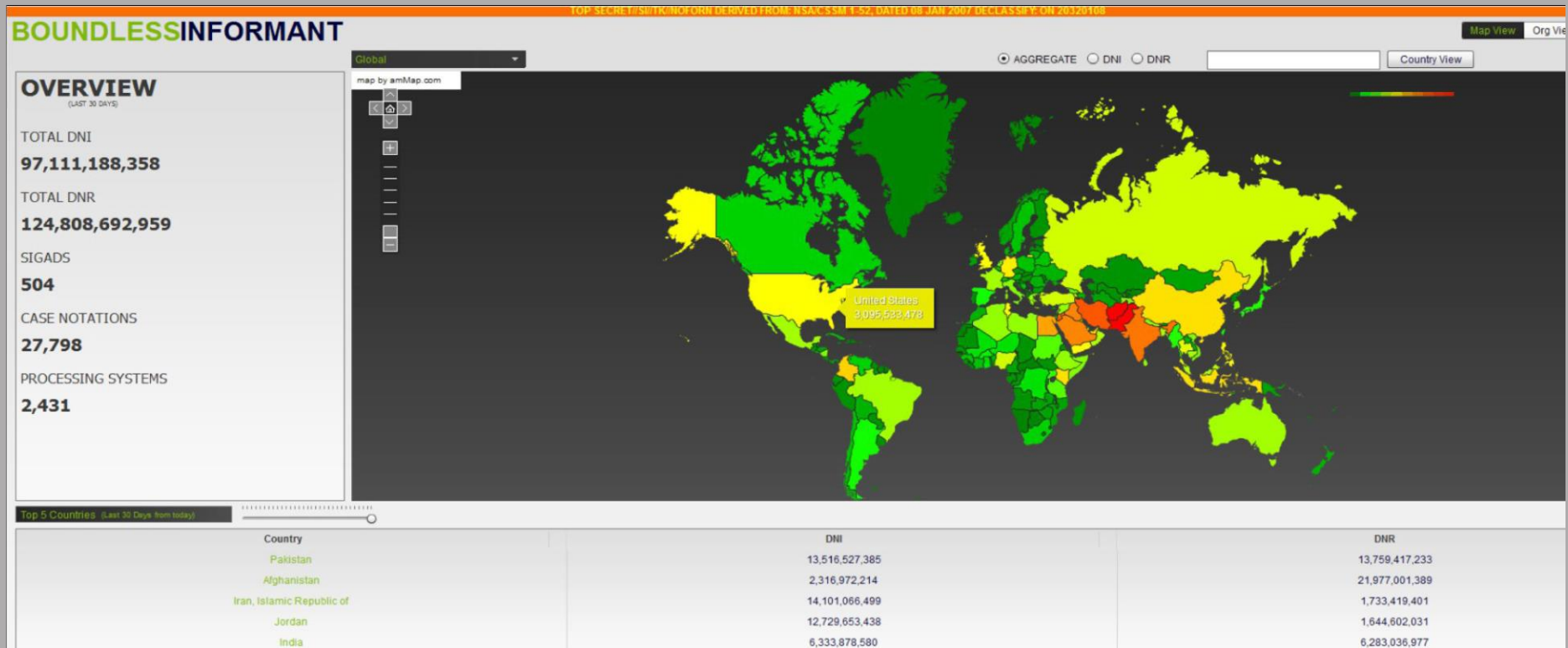


De militaire kant van de NSA – Organisatorisch





De militaire kant van de NSA – Geografisch



DNI = Digital Network Intelligence = Internet
DNR = Dialed Number Recognition = Telefonie

Pakistan: ca. 12 %
Afghanistan: ca. 10 %
Iran: ca. 7 %
Jordanië: ca. 6 %
India: ca. 5 %



Internationale samenwerking met NSA

- **2nd Party:** Five Eyes (USA, GBR, CAN, AUS, NZL)
- **3rd Party:** Formele bilaterale relaties met 33 landen
 - SIGINT Seniors Europe (SSEUR)
 - Afganistan SIGINT Coalition (AFSC)
 - SIGINT Seniors Pacific (SSPAC)
 - SIGINT Support to Cyber Defence (SSCD)
- **4th Party:** Informele bilaterale relaties met andere landen



De partnerlanden van de NSA

TOP SECRET// COMINT //REL USA, AUS, CAN, GBR, NZL

Approved SIGINT Partners



Second Parties

Australia
Canada
New Zealand
United Kingdom

Coalitions/Multi-lats

AFSC
NATO
SSEUR
SSPAC

Third Parties

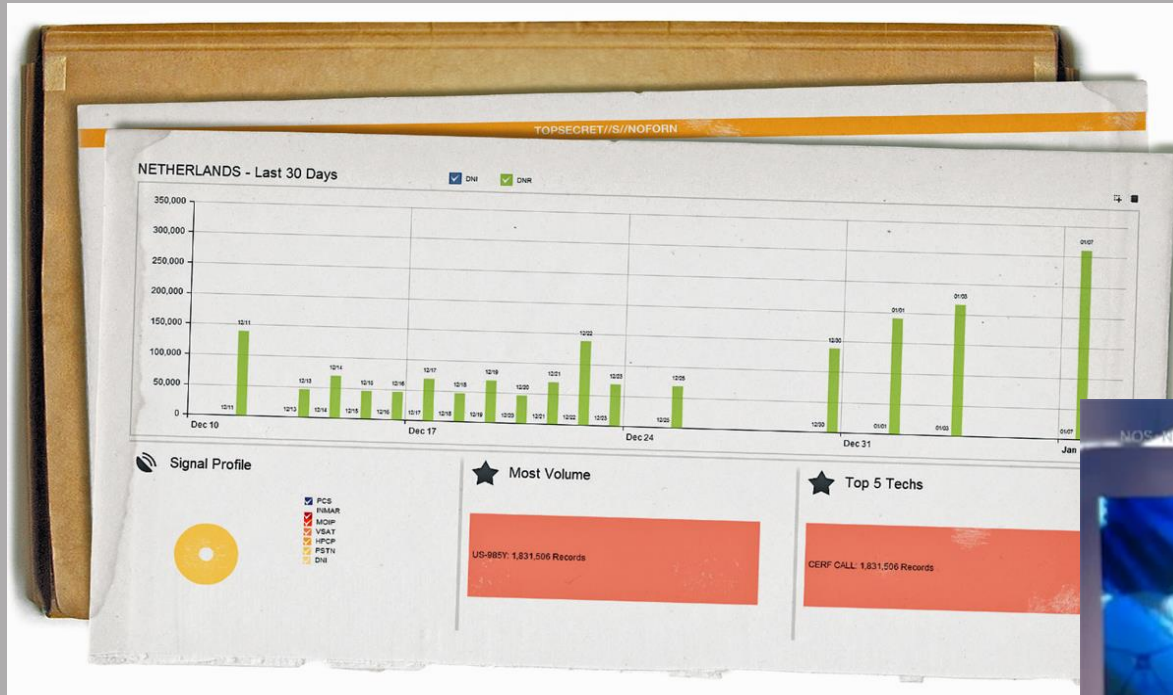
Algeria	Israel	Spain
Austria	Italy	Sweden
Belgium	Japan	Taiwan
Croatia	Jordan	Thailand
Czech Republic	Korea	Tunisia
Denmark	Macedonia	Turkey
Ethiopia	Netherlands	UAE
Finland	Norway	
France	Pakistan	
Germany	Poland	
Greece	Romania	
Hungary	Saudi Arabia	
India	Singapore	

TOP SECRET// COMINT //REL USA, AUS, CAN, GBR, NZL



Nederland: 1,8 miljoen metadata

De BOUNDLESSINFORMANT-grafiek voor Nederland,
Gepubliceerd door NRC op 8 februari 2014:



Minister Ronald Plasterk
In Nieuwsuur, 30 oktober 2013





Meer informatie



<http://www.electrospaces.net>



Vragen?

