

# NSA Review Group Report Card

#	Recommendation	Grade	Rationale
1	We recommend that section 215 should be amended to authorize the Foreign Intelligence Surveillance Court to issue a section 215 order compelling a third party to disclose otherwise private information about particular individuals only if: 1. It finds that the government has reasonable grounds to believe that the particular information sought is relevant to an authorized investigation intended to protect "against international terrorism or clandestine intelligence activities" and 2. like a subpoena, the order is reasonable in focus, scope, and breadth.	A+	This recommendation would end the use of Section 215 to engage in bulk, untargeted collection of personal information.
2	We recommend that statutes that authorize the issuance of National Security Letters should be amended to permit the issuance of National Security Letters only upon a judicial finding that: 1. the government has reasonable grounds to believe that the particular information sought is relevant to an authorized investigation intended to protect "against international terrorism or clandestine intelligence activities" and 2. like a subpoena, the order is reasonable in focus, scope, and breadth.	A+	These recommendations would effectively halt the use of NSLs as an unilateral way for administrative agencies to get around the courts to compel the disclosure of personal information on individuals.
3	We recommend that all statutes authorizing the use of National Security Letters should be amended to require the use of the same oversight, minimization, retention, and dissemination standards that currently govern the use of section 215 orders.	A+	
4	We recommend that, as a general rule, and without senior policy review, the government should not be permitted to collect and store all mass, undigested, non-public personal information about individuals to enable future queries and data-mining for foreign intelligence purposes. Any program involving government collection or storage of such data must be narrowly tailored to serve an important government interest.	A	This recommendation would pre-empt future bulk data collection programs, including both programs where government collects in the first instance or where it compels information from third parties. The use of the qualifier "without senior policy review" prevents this recommendation from receiving an A+.
5	We recommend that legislation should be enacted that terminates the storage of bulk telephony meta-data by the government under section 215 and transitions as soon as reasonably possible to a system in which such meta-data is held instead either by private providers or by a private third party. Access to such data should be permitted only with a section 215 order from the Foreign Intelligence Surveillance Court that meets the requirements set forth in Recommendation 1.	F	This recommendation calls for a law to mandate data retention by private companies. Currently there are data retention limits built into agency regulations, however those may, ostensibly, only be changed through public notice and comment. This recommendation would damage the privacy rights of individuals.
6	We recommend that the government should commission a study of the legal and policy options for assessing the distinction between meta-data and other types of information. The study should include technological experts and persons with a diverse range of perspectives, including experts about the missions of intelligence and law enforcement agencies about privacy and civil liberties.	A	This recommendation would allow government to seek feedback from the real experts on data collection - technologists. No technologists are included in either of the two current groups reviewing NSA surveillance. However, the study would also provide a rationale for delaying the implementation of other recommendations, including those that most technologists unanimously agree are ineffective and damaging.
7	We recommend that legislation should be enacted requiring that detailed information about authorities such as those involving National Security Letters, section 215 business records, section 702, pen register and trap-and-trace, and the section 215 bulk telephony meta-data program should be made available on a regular basis to Congress and the American people to the greatest extent possible, consistent with the need to protect classified information. With respect to authorities and programs whose existence is unclassified, there should be a strong presumption of transparency to enable the American people and their elected representatives independently to assess the merits of the programs for themselves.	B+	
8	We recommend that: 1. legislation should be enacted providing that, in the use of National Security Letters, section 215 orders, pen register and trap-and-trace orders, 702 orders, and similar orders directing individuals, businesses, or other institutions to turn over information to the government, non-disclosure orders may be issued only upon a judicial finding that there are reasonable grounds to believe that disclosure would significantly threaten the national security, interfere with an ongoing investigation, endanger the life or physical safety of any person, impair diplomatic relations, or put at risk some other similarly weighty government or foreign intelligence interest; 2. nondisclosure orders should remain in effect for no longer than 180 days without judicial re-approval; and 3. nondisclosure orders should never be issued in a manner that prevents the recipient of the order from seeking legal counsel in order to challenge the order's legality.	A+	These recommendations endorse concepts of increased transparency. Recommendation would be rated higher if not for the "general" nature of the information the recommendations pertain to and for the other recommendations related to "classified information." Information on government surveillance should always be transparent except for what is necessary to protect national security.
9	We recommend that legislation should be enacted providing that, even when nondisclosure orders are appropriate, recipients of National Security Letters, section 215 orders, pen register and trap-and-trace orders, section 702 orders, and similar orders issued in programs whose existence is unclassified may publicly disclose on a periodic basis general information about the number of such orders they have received, the number they have complied with, the general categories of information they have produced, and the number of uses whose information they have produced in each category, unless the government makes a compelling demonstration that such disclosures would endanger the national security.	B+	
10	We recommend that, building on current law, the government should publicly disclose on a regular basis general data about National Security Letters, section 215 orders, pen register and trap-and-trace orders, section 702 orders, and similar orders in programs whose existence is unclassified, unless the government makes a compelling demonstration that such disclosures would endanger the national security.	B+	
11	We recommend that the decision to keep secret from the American people programs of the magnitude of the section 215 bulk telephony meta-data program should be made only after careful deliberation at high levels of government and only with due consideration of and respect for the strong presumption of transparency that is central to democratic governance. A program of this magnitude should be kept secret from the American people only if a. the program serves a compelling governmental interest and b. the efficacy of the program would be substantially impaired if our enemies were to know of its existence.	C	Government surveillance programs should always be made transparent, except to the extent necessary to protect national security. Deliberations necessary to keep information classified should involve the judiciary branch of government to the greatest extent practicable.
12	We recommend that, if the government legally intercepts a communication under section 702, or under any other authority that justifies the interception of a communication on the ground that it is directed at a non-United States person who is located outside the United States, and if the communication either includes a United States person as a participant or reveals information about a United States person: 1. any information about that United States person should be purged upon detection unless it either has foreign intelligence value or is necessary to prevent serious harm to others; 2. any information about the United States person may not be used in evidence in any proceeding against that United States person; 3. the government may not search the contents of communications acquired under section 702, or under any other authority covered by this recommendation, in an effort to identify communications of particular United States persons, except a. when the information is necessary to prevent a threat of death or serious bodily harm, or b. when the government obtains a warrant based on probable cause to believe that the United States person is planning or is engaged in acts of international terrorism.	C	This is a positive restriction on the retention of information about non-US persons, but stops short on recommending changes to the program which would limit widespread data collection under programs such as Prism.
13	We recommend that, in implementing section 702, and any other authority that authorizes the surveillance of non-United States persons who are outside the United States, in addition to the safeguards and oversight mechanisms already in place, the US Government should reaffirm that such surveillance: a. must be authorized by duly enacted laws or properly authorized executive orders; 2. must be directed exclusively at the national security of the United States or our allies; 3. must not be directed at illicit or illegitimate ends, such as the theft of trade secrets or obtaining commercial gain for domestic industries; and 4. must not disseminate information about non-United States persons if the information is not relevant to protecting the national security of the United States or our allies. In addition, the US Government should make clear that such surveillance: 1. must not target any non-United States person located outside of the United States based solely on that person's political views or religious convictions; and 2. must be subject to careful oversight and to the highest degree of transparency consistent with protecting the national security of the United States and our allies.	A	This recommendation solely asks for the government to make public statements and does not include any substantive changes or call for increased transparency. However, the principles in this recommendation are positive.
14	We recommend that, in the absence of a specific and compelling showing, the US Government should follow the model of the Department of Homeland Security, and apply the Privacy Act of 1974 in the same way to both US persons and non-US persons.	A+	This is a very positive step and would provide concrete rights under the law to non-US persons.
15	We recommend that the National Security Agency should have a limited statutory emergency authority to continue to track known targets of counterterrorism surveillance when they first enter the United States, until the Foreign Intelligence Surveillance Court has time to issue an order authorizing continuing surveillance inside the United States.	C	This recommendation maintains the status quo.
16	We recommend that the President should create a new process requiring high-level approval of all sensitive intelligence requirements and the methods the Intelligence Community will use to meet them. This process should, among other things, identify both the uses and limits of surveillance on foreign leaders and in foreign nations. A small staff of policy and intelligence professionals should review intelligence collection for sensitive activities on an ongoing basis throughout the year and advise the National Security Council Deputies and Principals when they believe that an unscheduled review by them may be warranted.	B	
17	We recommend that: 1. senior policymakers should review not only the requirements in Tier One and Tier Two of the National Intelligence Priorities Framework, but also any other requirements that they define as sensitive; 2. senior policymakers should review the methods and targets of collection on requirements in any Tier that they deem sensitive; and 3. senior policymakers from the federal agencies with responsibility for US economic interests should participate in the review process because disclosure of classified information can have detrimental effects on US economic interests.	B	These recommendations are overall positive. The recommendation would be graded higher if it went further to include increased public transparency in the process of establishing requirements for authorizing surveillance activity.
18	We recommend that the Director of National Intelligence should establish a mechanism to monitor the collection and dissemination activities of the Intelligence Community to ensure they are consistent with the determinations of senior policymakers. To this end, the Director of National Intelligence should prepare an annual report on this issue to the National Security Advisor, to be shared with the Congressional intelligence committees.	B	
19	We recommend that decisions to engage in surveillance of foreign leaders should consider the following criteria: 1. is there a need to engage in such surveillance in order to assess significant threats to our national security? 2. is the other nation one with whom we share values and interests, with whom we have a cooperative relationship, and whose leaders we should accord a high degree of respect and deference? 3. is there a reason to believe that the foreign leader may be being duplicitous in dealing with senior US officials or is attempting to hide information relevant to national security concerns from the US? 4. Are there other collection means or collection targets that could reliably reveal the needed information? 5. what would be the negative effects if the leader became aware of the US collection, or if citizens of the relevant nation became so aware?	A	In establishing criteria for sensitive foreign surveillance operations, this is a positive recommendation. The adoption of these criteria would be an improvement. The recommendation would be an A+ if it asked the government for public adoption of these criteria.
20	We recommend that the US Government should examine the feasibility of creating software that would allow the National Security Agency and other intelligence agencies more easily to conduct targeted information acquisition rather than bulk-data collection.	C	This recommendation would be rated higher if it affirmatively requested that government seek software to allow for targeted data collection, instead of adding the "feasibility" qualification.
21	We recommend that with a small number of closely allied governments, meeting specific criteria, the US Government should explore understandings or arrangements regarding intelligence collection guidelines and practices with respect to each others' citizens (including, if and where appropriate, intentions, strictures, or limitations with respect to collections). The criteria should include: 1. shared national security objectives; 2. a close, open, honest, and cooperative relationship between senior-level policy officials; and 3. a relationship between intelligence services characterized both by the sharing of intelligence information and analytic thinking and by operational cooperation against critical targets of joint national security concern. Discussions of such understandings or arrangements should be done between relevant intelligence communities, with senior policy-level oversight.	F	This recommendation would potentially expand the group currently known as the "Five Eyes" to include even more countries, and give each one more opportunities to make an end run around their own laws and regulations with no transparency.
22	We recommend that: 1. the Director of the National Security Agency should be a Senate-confirmed position; 2. civilians should be eligible to hold that position; 3. the President should give serious consideration to making the next Director of the National Security Agency a civilian.	A	These are all positive recommendations. Senate confirmation is unlikely to have an effect on surveillance operations, but will increase public discourse on the issues.
23	We recommend that the National Security Agency should be clearly designated as a foreign intelligence organization; missions other than foreign intelligence collection should generally be reassigned elsewhere.	A	This preserves the status quo, but is a positive affirmation.
24	We recommend that the head of the military unit, US Cyber Command, and the Director of the National Security Agency should not be a single official.	A+	These are very strong recommendations. Specifically it is important that the organization responsible for preserving cybersecurity and the organization in charge of national security surveillance should necessarily not be housed together - one will always operate at the expense of the other. Keeping NSA's
25	We recommend that the Information Assurance Directorate - a large component to the National Security Agency that is not engaged in activities related to foreign intelligence - should become a separate agency within the Department of Defense, reporting to the cyber policy element within the Office of the Secretary of Defense.	A+	
26	We recommend the creation of a privacy and civil liberties policy official located both in the National Security and the Office of Management and Budget.	A	In 2013, all major administrative agencies should have a Chief Privacy Officer. However, in a time after the former DHS CPO explained that she was internally referred to as a "terrorist," this recommendation should include a call for explicit statutory authorities for the position.
27	We recommend that: 1. the charter of the Privacy and Civil Liberties Oversight Board should be modified to create a new and strengthened agency, the Civil Liberties and Privacy Protection Board, that can oversee Intelligence Community activities for foreign intelligence purposes, rather than only for counterterrorism purposes; 2. the Civil Liberties and Privacy Protection Board should be an authorized recipient for whistle-blower complaints related to privacy and civil liberties concerns from employees in the Intelligence Community; 3. an Office of Technology Assessment should be created within the Civil Liberties and Privacy Protection Board to assess Intelligence Community technology initiatives and support privacy-enhancing technologies; and 4. some compliance functions, similar to outside auditor functions in corporations, should be shifted from the National Security Agency and perhaps other intelligence agencies to the Civil Liberties and Privacy Protection Board.	A	While it seems unnecessary to create yet another Agency after PCLOB just got on its feet, the recommendation to give PCLOB new and strengthened authority should be adopted.
28	We recommend that: 1. Congress should create the position of Public Interest Advocate to represent privacy and civil liberties interests before the Foreign Intelligence Surveillance Court; 2. the Foreign Intelligence Surveillance Court should have greater technological expertise available to the judges; 3. the transparency of the Foreign Intelligence Surveillance Court's decisions should be increased, including by instituting declassification reviews that comply with existing standards; and 4. Congress should change the process by which judges are appointed to the Foreign Intelligence Surveillance Court, with the appointment power divided among the Supreme Court Justices.	A-	These are generally positive recommendations, specifically that calling for increased transparency of FISA Court opinions. However, the call for an advocate in the FISA Court is less meaningful without a correlating call for transparency in the advocate's activities to increase the accountability of the position and prevent it from becoming a rubber stamp for increased surveillance.
29	We recommend that, regarding encryption, the US Government should: 1. fully support and not undermine efforts to create encryption standards; 2. not in any way subvert, undermine, weaken, or make vulnerable generally available commercial software; and 3. increase the use of encryption and urge US companies to do so, in order to better protect data in transit, at rest, in the cloud, and in other storage.	A+	This recommendation should be immediately adopted to provide public assurance that NSA will not longer circumvent cybersecurity. The NSA should further be required to explain the full extent to which it has weakened standards.
30	We recommend that the National Security Council staff should manage an interagency process to review on a regular basis the activities of the US Government regarding attacks that exploit a previously unknown vulnerability in a computer application or system. These are often called "Zero Day" attacks because developers have had zero days to address and patch the vulnerability. US policy should generally move to ensure that Zero Days are quickly blocked, so that the underlying vulnerabilities are patched on the US Government and other networks. In rare instances, US policy may briefly authorize using a Zero Day for high priority intelligence collection, following senior, interagency review involving all appropriate departments.	B+	The recommendation to patch zero day exploits as quickly as possible would help increase the cybersecurity of individuals around the world. The only thing preventing a higher grade is the lack of transparency and the use of the qualifier "generally".
31	We recommend that the United States should support international norms or international agreements for specific measures that will increase confidence in the security of online communications. Among those measures to be considered are: 1. Governments should not use surveillance to steal industry secrets to advantage their domestic industry; 2. governments should not use their offensive cyber capabilities to change the amounts held in financial accounts or otherwise manipulate financial systems; 3. governments should promote transparency about the number and type of law enforcement and other requests made to communications providers; 4. absent a specific and compelling reason, governments should avoid localization requirements that a. mandate location of servers and other information technology facilities or b. prevent trans-border data flows.	A	
32	We recommend that there be an Assistant Secretary of State to lead diplomacy of international information technology issues.	A	
33	We recommend that as part of its diplomatic agenda on international information technology issues, the United States should advocate for, and explain its rationale for, a model of Internet governance that is inclusive of all appropriate stakeholders, not just governments.	B	These recommendations endorse generally positive principles.
34	We recommend that the US Government should streamline the process for lawful international requests to obtain electronic communications through the Mutual Legal Assistance Treaty process.	B	
35	We recommend that for big data and data-mining programs directed at communications, the US Government should develop Privacy and Civil Liberties Impact Assessments to ensure that such efforts are statistically reliable, cost-effective, and protective of privacy and civil liberties.	B	
36	We recommend that for future developments in communications technology, the US should create program-by-program reviews informed by expert technologists, to assess and respond to emerging privacy and civil liberties issues, through the Civil Liberties and Privacy Protection Board or other agencies.	A	
37	We recommend that the US Government should move toward a system in which background investigations relating to the vetting of personnel for security clearance are performed solely by US Government employees or by a non-profit, private sector corporation.	C	
38	We recommend that the vetting of personnel for access to classified information should be ongoing, rather than periodic. A standard of Personnel Continuous Monitoring should be adopted, incorporating data from Insider Threat programs and from commercially available sources, to note such things as changes in credit ratings or any arrests, or court proceedings.	C	
39	We recommend that security clearances should be more highly differentiated, including the creation of "administrative access" clearances that allow for support and information granting them unnecessary access to substantive policy or intelligence material.	C	
40	We recommend that the US Government should institute a demonstration project in which personnel with security clearances would be given an Access Score, based upon the sensitivity of the information to which they have access and the number and sensitivity of Special Access Programs and Compartmented Material clearances they have. Such an Access Score should be periodically updated.	C	
41	We recommend that the "need-to-share" or "need-to-know" models should be replaced with a Work-Related Access model, which would ensure that all personnel whose role requires access to specific information have such access, without making the data more generally available to cleared personnel who are merely interested.	C	The appropriate method by which to prevent leaks of information that could truly damage national security is not to limit those with clearances in the first instance or to increase surveillance of certain networks. Instead, the best method is to re-evaluate the classification system to ensure that rampant overclassification can no longer take place in its current form. This alternate recommendation would necessarily limit the number of individuals who require special clearances because less information would require a clearance for access.
42	We recommend that the Government networks carrying Secret and higher classification information should use the best available cyber security hardware, software, and procedural protections against both external and internal threats. The National Security Advisor and the Director of the Office of Management and Budget should annually report to the President on the implementation of this standard. All networks carrying classified data, including those in contractor corporations, should be subject to a Network Continuous Monitoring Program, similar to the EINSTEIN 3 and TUTELEUS programs, to record network traffic for real time and subsequent review to detect anomalous activity, malicious actions, and data breaches.	C	
43	We recommend that the Presidents' prior directions to improve the security of classified networks, Executive Order 13587, should be fully implemented as soon as possible.	B	
44	We recommend that the National Security Council Principals Committee should annually meet to review the state of security of US Government networks carrying classified information, programs to improve such security, and evolving threats to such networks. An interagency "Red Team" should report annually to the Principals with an independent, "second opinion" on the state of security of the classified information networks.	B	
45	We recommend that all US agencies and departments with classified information should expand their use of software, hardware, and procedures that limit access to documents and data to those specifically authorized to have access to them. The US Government should fund the development of, procure, and widely use on classified networks improved Information Rights Management software to control the dissemination of classified data in a way that provides greater restrictions on access and use, as well as an audit trail of such use.	B	
46	We recommend the use of cost-benefit analysis and risk-management approaches, both prospective and retrospective, to orient judgments about personnel security and network security measures.	C	