Privacy Agency Mass443 14 Message92106/20060620.10 (U)

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

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Posted on: June 20, 2006

(U) EXECmessage-137: "GOOGLE Software Upgrade"

Distribution: Senior Executive Message to the Work Force

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(U//FOUO) Senior Executive Message from: George R. Cotter, Director for Information Technology

(U//FOUO) In October 2004, the Google search engine was first introduced to the Agency. This provided a powerful and robust capability for searching web content throughout the extended enterprise and was a major step in the transformation of WebWorld to NSALink. X412 is pleased to announce an upgrade to both hardware and software for Google to version 4.4. This upgrade delivers the following enhancements:

* Ability to search up to 15 million documents in a single
  query with quality ranking results
* Automatic spellchecking
* Ability to search Public Key Infrastructure (PKI) enabled
  websites
* Continuous Google "crawling" (indexing of web content),
  versus weekly crawling
* Ability to search non-password protected databases hosted
  on web servers

(U//FOUO) What does this mean to you? Because of these enhancements, users will have access to more than ten times as much web content as before. Google 4.4 factors in more than 100 variables for each query to help you find the highest quality and most relevant documents. Google 4.4 automatically suggests corrections with startling accuracy to help you avoid inaccurate results through typos or misspellings, including Agency-specific words and phrases. As web sites are published, the data will be available within a day as opposed to the previous time of up to a week. As more web servers continue the transition to universal PKI, data will now be accessible from these servers. Finally, Google 4.4 will provide access to data stored in relational databases (that are not password protected) by crawling the content directly from the databases and displaying the content in a number of formats.

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(U//FOUO) The Google 4.4 upgrade is particularly timely and aligns with the Agency's modernization goals. Like its predecessor, Google 4.4 has been PKI enabled, so you must have a valid NTS-PKI certificate to use the search engine. To access Google 4.4, the URL is:

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or "go google"

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