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## THIS MONTH IN TECHNOLOGY HISTORY

**1944** – IBM dedicates the first program-controlled calculator, the Automatic Sequence Controlled Calculator (known best as the Harvard Mark I).

**1989** – A solar flare from the Sun creates a geomagnetic storm that affects micro chips, leading to a halt of all trading on Toronto's stock market.



## THIS MONTH IN BUSINESS HISTORY

**1888** – The first successful adding machine in the United States was patented by William Seward Burroughs.

**1897** – Thomas Edison patents the Kinetoscope, the first movie projector.

**1920** – The first radio news program is broadcast by 8MK in Detroit, Michigan.

## Updated Compliance Requirements

### **Processing of Electronic Media Storage for Disposal**

**DTG 281759Z AUG12**

The purpose of this coordinated Department of the Navy Chief Information Officer, DON Deputy CIO (Navy), DON Deputy CIO (Marine Corps), and DON Information Security Program Authority message is to update policy for the disposal and mandatory physical destruction of electronic storage media.

**For details visit:**

<http://www.doncio.navy.mil/ContentView.aspx?ID=4137>

### **Improving the Accessibility of Government Information Through Section 508**

This memorandum provides an update on recent activities regarding compliance with the accessibility requirements of Section 508 of the Rehabilitation Act.

**For details visit:**

<http://www.doncio.navy.mil/ContentView.aspx?id=4122>

### **Reduction of SSN Use Within DoD**

**DoD Instruction 1000.30**

The purpose of this Department of Defense instruction is to establish policy and assign responsibilities for Social Security Number (SSN) use reduction in the DoD. It establishes a DoD SSN use reduction plan and incorporates and cancels Directive-Type Memorandum 07-015. The Department of the Navy SSN Reduction Plan, incorporates the requirements of this instruction.

**For details visit:**

<http://www.doncio.navy.mil/ContentView.aspx?id=4091>

### **DON CIO Info Alert**

#### **Master's & Doctorate Level Scholarships Available to DON Personnel**

Scholarships are being offered for Department of the Navy civilian and military personnel through the Department of Defense Information Assurance Scholarship Program to meet the increasing demand for cyber/information technology professionals with a cybersecurity/information assurance (CS/IA) focus.

**For details visit:**

<http://www.doncio.navy.mil/ContentView.aspx?id=4132>

### **DON CIO Info Alert**

#### **Microsoft Enterprise Licensing Agreement Signed**

All procurement of Microsoft brand software licenses including software assurance (SA), SA only, and subscriptions and SA-step up (SASU) for desktop and server based products must be acquired through the Microsoft DON enterprise licensing agreement (ELA) if that product is offered by the DON ELA.

**For details visit:**

<http://www.doncio.navy.mil/ContentView.aspx?ID=4018>

### **DON CIO Info Alert**

#### **DON CIO Launches Website Redesign**

The Department of the Navy Chief Information Officer deployed the next generation of its website today to better showcase content and provide improved access to the information relied on daily by members of the DON IT community.

**For details visit:**

<http://www.doncio.navy.mil/ContentView.aspx?id=4097>

## What's New?

### ***New Integrated Product Team to Promote DON Mobility***

The Department of the Navy Enterprise Mobility Integrated Product Team charter was signed by Terry Halvorsen, DON Chief Information Officer, May 15, 2012. The charter defines the process that the enterprise will adopt to assess and enhance the DON's mobility capabilities using wireless and other remote connectivity options.

These capabilities provide significant support to a number of business transformation and efficiency efforts, such as cloud computing and telework.

The IPT is optimally positioned to address these efforts along with managing the unprecedented level of interest across the enterprise for new mobile devices and applications. With the IPT's establishment, the DON Wireless Working Group (DWWG,) which was the primary DON mobility forum since 2006, was disestablished.

One of the more significant changes from the DWWG is that the IPT introduces a more formal relationship with DON enterprise information management/information technology governance. The IPT was established as the DON's designated advisory and action group reporting to the DON Information Enterprise Governance Board (IGB). The IGB was established in 2011 by the Under Secretary of the Navy as the most senior-level DON IT/cyberspace governance body, chaired by the DON CIO with membership including the deputy DON CIO Navy, deputy DON CIO Marine Corps, as well as other secretariat stakeholders.

***To view more, visit:***

**<http://www.doncio.navy.mil/ContentView.aspx?id=4084>**

### ***DON Enterprise Architecture Supports IT Business Transformation***

A critical component to achieving cost savings is transparency of business information technology data, which provides needed insight into, and thus enables more effective management of, the financial and programmatic status of the enterprise. The Department of the Navy Enterprise Architecture (EA) process is essential to providing visibility of such vital information. The DON EA assessment process is cyclical and provides an authoritative repository of DON-wide programmatic data, in which strategic drivers are assessed, informed decision-making is enabled and policy development and refinement are facilitated. The intent is twofold: gauge and monitor the status of DON IT business transformation and promote organizational adoption of cost-saving initiatives.

The DON EA assessment process is outcome driven versus compliance driven. For example, outcomes drive the decision-making process for DON leadership. It is an iterative process that helps implement, modify and communicate strategic drivers and provides a means to measure intended outcomes.

***To view more, visit:***

**<http://www.doncio.navy.mil/ContentView.aspx?id=4081>**



### ***The DoD Identification Number as PII***

For many years, the Electronic Data Interchange-Personal Identifier (EDI-PI) has been a unique identifier for personnel affiliated with the Department of Defense. Until recently, it was used only by DoD information systems to facilitate machine-to-machine communications and appeared in digital signatures. When the EDI-PI was selected to become the DoD identification number, the purpose of the identifier changed.

The DoD ID number is now intended to be known by the individual to whom it belongs and is used for personal access to systems, on forms, in digital signatures and for other uses typical of physical and technical identification processes. The expanded use of the DoD ID number led to questions regarding its status as personally identifiable information (PII).

PII refers to information that can be used to distinguish or trace an individual's identity. The definition of a record and system of records under the Privacy Act makes it clear that any "identifying number assigned to the individual" triggers provisions of the Privacy Act if the record is retrieved using a unique identifier. The loss or disclosure of the DoD ID number is considered low risk in conjunction with identity theft or fraud.

***To view more, visit:***

**<http://www.doncio.navy.mil/ContentView.aspx?id=4075>**

# Information Technology Areas of Interest

## **Portfolio Management**

### **Navy Information Dominance Approval System (NAV-IDAS)**

NAV-IDAS is established through the Deputy Department of the Navy Chief Information Officer for Navy (DDCIO(N)) in order to support Information Technology (IT) procurement planning and visibility across Echelon II and below Commands and ensure IT procurements comply with the DoD and DON statutory and regulatory requirements. NAV-IDAS provides a standardized and repeatable process to allow Navy decision makers to have enterprise visibility into the procurement acquisition of IT assets and total cost.

**To view Frequently Asked Questions, visit:**

<https://navidas.navy.mil/about.html#faqContent>

Contact BUPERS Portfolio Management at:

[BUPERS\\_PFM@navy.mil](mailto:BUPERS_PFM@navy.mil)

## **Architecture**

Modeling your business processes can help your organization improve its efficiency! By documenting your processes through Business Process Modeling (BPM), your organization can easily see the steps and decisions involved in a business process, identify redundant or unnecessary steps, and modify the process to make it more efficient. An example: PERS-97 recently modeled their Career Transition processes for both officers and enlisted personnel. In one of their processes, by making a simple change to the place in the process where a document was created, they were able to eliminate three unnecessary steps; the rest of the processes are under review to identify other efficiencies.

Contact the enterprise architect at [MPTE\\_EA@navy.mil](mailto:MPTE_EA@navy.mil) or business process modeling/improvement team for your echelon 2 command for more information on how to document and analyze your business processes.

## **Information Assurance**

The VTE training is migrating to a new site

The Carnegie Mellon VTE will begin its migration on 24 August and will be available at its new location on 10 September.

Your training records will be migrated on 24 August. Anything completed on the old VTE site after 24 August will not be migrated to FedVTE.

New site link:

<https://www.fedvte-fsi.gov/Vte.Lms.Web>

Contact BUPERS Information Assurance at:

[BUPERS\\_IA\\_TEAM@navy.mil](mailto:BUPERS_IA_TEAM@navy.mil)

## **Data Management**

Data and information are truly assets because they have business value, tangible or intangible. Today's accounting practices consider data and information as intangible assets, much like software, documentation, expert knowledge, trade secrets, and other intellectual property. Organizations use many different approaches to estimate the value of their data assets. One way is to identify the direct and indirect business benefits derived from use of the data. Another way is to identify the cost of its loss, identifying the impacts of not having the current amount and quality level of data:

- What percentage change to revenue would occur?
- What percentage change to costs would occur?
- What risk exposures might occur, and what would be the potential financial impact?

Seen in this light, the impacts are often estimated to be quite large, but because there are so many other contributing factors, of which the loss of any might result in similar negative impacts, these impacts are understood to be somewhat disproportional.

Typically, business leaders negotiate and agree on a conservative percentage of the total potential impact, which might be considered as the contribution to revenue made by data assets in relative proportion to other contributing resources and factors.

Information gaps- the difference between what information is needed and whatever trustworthy information is currently available- represent business liabilities. Closing and preventing these gaps represent opportunities for data management programs to provide some estimate of the business value.

***DAMA International, (2009) The DAMA guide to the data management body of knowledge, Pages 54-55***

Contact BUPERS Data Management at:

[MPTE\\_EIM@navy.mil](mailto:MPTE_EIM@navy.mil)

## Data As A Critical DON Asset

We all save an overabundance of mementos from the past — whether it is a favorite blanket from grandma, a box full of baseball cards (unfortunately, not a Tug McGraw or Ted Williams rookie card in the mix), or 20-year-old report cards. While it may be comforting to know that we can always find a particular item; in reality, is that box of baseball cards valuable enough to keep around? We, as a department, have long suffered from the same need to be comforted by storing an overabundance of data. However, the value of that data is not understood, and the data itself is not treated well. Like our crammed attics, the department's data is not organized: there is duplicate data in different places and some data are really just mementos from the past.

We must not lose sight of the fact that our data is a vital asset that enables the DON to accurately and quickly respond to any situation. In a recent article, "Message From the DON CIO: Keeping PII and PHI Secure," I wrote about the vital need to handle personally identifiable information (PII) and protected health information (PHI) appropriately to protect the rights of department personnel. However, non-PII and -PHI data are just as important, since the inappropriate or inefficient handling of such data can seriously limit the DON's effectiveness.

*To view more, visit:*

<http://www.doncio.navy.mil/ContentView.aspx?id=4079>

## Updated Records Management Tool Aids Disposition Decisions

An updated records management disposition tool is available to assist users in their search for the applicable life cycle management policies and procedures for all types of naval records. This tool complements the SECNAV Manual M-5210.1: "Department of the Navy Records Management Program, Records Management Manual."

This easy-to-use tool allows users to search the manual's Part III, "Retention Standards for Naval Records," by either keyword or standard subject identification code (SSIC). Entering a keyword returns all the records containing that keyword, along with the SSIC and applicable chapter in the manual. For example, entering the keyword, "training records" returns all 42 records with a description containing that keyword.

The tool also enables users to easily find the applicable Federal Records Center (FRC) that will maintain custody of the records. Select the state or region in the drop-down menu, and the tool will provide the name, address and phone number of the FRC. Appendix A of the manual provides information on packing and shipping records to the FRC.

To learn more about Records Management, there are four web-based training courses available on Navy Knowledge Online (NKO).

*Read more:*

<http://www.doncio.navy.mil/ContentView.aspx?id=713>

## EYE ON IT

### *Navigating the "Unholy" Matrimony of Mobile and Cloud*

Mobility and cloud computing are so intertwined that separating the two in the context of ubiquitous electronic transactions is difficult at best. This is based on the fact that accessing a cloud requires a device. Increasingly, that device is mobile and is quickly transitioning from laptop or netbook to tablet or smart phone.

*Read the article here:*

<http://gcn.com/articles/2012/08/31/mobile-and-cloud-unholy-matrimony.aspx>



### *Senator Urges Executive Order on Cybersecurity*

A senator is appealing to President Barack Obama to take measures to better protect the U.S. critical infrastructure, after multiple occasions of congressional squabbling prevented the passage of sweeping cybersecurity legislation.

In a letter to Obama, Sen. Dianne Feinstein (D-Calif.), who chairs the Senate Select Committee on Intelligence, expressed doubt that Congress would pass cybersecurity legislation this year, The Hill reports. Several cybersecurity bills recently met their doomed fate as a result of partisan bickering.

With only the slight chance of a compromise in reach for comprehensive cybersecurity legislation, Feinstein urged the president to issue an executive order that would create cybersecurity standards and incentives for critical infrastructure operators to better safeguard their systems and networks, according to The Hill.

*Read the article here:*

<http://fcw.com/articles/2012/08/29/agg-feinstein-cyber-legislation.aspx>

## EXTRA BYTES

### *The Grace Period on Mobile Security is Over*

With mobile computing, however, government is trying to jumpstart the security process to help ensure that the threats introduced by new smart phones, tablets and other handheld devices do not outweigh their benefits.

**Read the article here:**

<http://gcn.com/articles/2012/08/24/cybereye-jumpstart-mobile-security.aspx>



### *The Bright Side of Budget Cuts*

As budget cut fever sweeps the federal government, some Defense Department officials say it could actually lead to better collaboration and improved IT.

The fiscal pressures DOD faces can bring about benefits, bringing together the services to share resources and thereby further integrate operations, according to DOD officials who spoke Aug. 28 at the AFCEA Warfighter IT Day in Vienna, Va.

**Read the article here:**

<http://fcw.com/articles/2012/08/29/warfighter-it-budget-cuts-benefit-enterprise.aspx>

## Sea Warrior Supports Afloat Sailors Through Modernized Business IT

Afloat business information technology is a large part of the Sea Warrior Program's portfolio. Currently under the umbrella of Navy distance support, the program provides and maintains the IT infrastructure and capabilities to provide at-sea logistics as well as technical and training support to afloat units.

Navy distance support deploys a number of applications on a single shipboard software suite, called the Navy Information/Application Product Suite, that:

- Helps mitigate bandwidth limitations by having software applications run locally on the ship
- Allows applications to store data and transactions and then transmit the data ship-to-shore when network access is limited or intermittent, scheduling transmissions during off-peak times and also by allowing data transfers to start again where they previously ended when connectivity was lost.

Navy distance support also includes customer relationship management (CRM), which includes communications media, contact centers, a directory and network of service and support providers, websites, an action reporting (and tracking) IT system and associated fleet customer advocacy provisions. Currently, the Navy distance support CRM is being rebranded to Navy 311. This easy-to-remember, single point of entry for any issue will simplify the ashore reach-back capability available to the fleet.

## Agencies Making Progress, But Inventories and Plans Need Completion

In 2010, as a focal point for information technology management across the government, the Office of Management and Budget's (OMB) Federal Chief Information Officer launched the Federal Data Center Consolidation Initiative - an effort to consolidate the growing number of federal data centers. In July 2011, the Government Accountability Office (GAO) evaluated 24 agencies' progress on this effort and reported that most agencies had not yet completed data center inventories or consolidation plans and recommended that they do so.

In this subsequent review, GAO was asked to (1) evaluate the extent to which the 24 agencies updated and verified their data center inventories and plans, (2) evaluate the extent to which selected agencies have adequately completed key elements of their consolidation plans, and (3) identify agencies' notable consolidation successes and challenges. To address these objectives, GAO assessed the completeness of agency inventories and plans, analyzed the schedule and cost estimates of five agencies previously reported to have completed one or both estimates, and interviewed officials from all 24 agencies about their consolidation successes and challenges.

As of the most recent agency data submitted in September 2011, 24 agencies identified almost 2,900 total centers, established plans to close 1,186 of them by 2015, and estimated they would realize over \$2.4 billion in cost savings in doing so. However, while OMB required agencies to complete missing elements in their data center inventories and plans by the end of September 2011, only three agencies submitted complete inventories and only one agency submitted a complete plan.

## Audit Readiness: The Challenge

The Secretary of Defense has challenged the Department of the Navy (DON) to achieve audit readiness with its Statement of Budgetary Resources (SBR) by the end of calendar year (CY) 2014. The SBR and related disclosures provide information about an agency's budgetary resources and the status of those resources at the end of the fiscal year. These disclosures link budget execution data in an agency's financial statements to information reported in the "actual" column of the Program and Financing Schedules in the Appendix of the Budget of the United States Government. While the DON comptroller is responsible for the department's financial statements and Financial Improvement and Audit Readiness (FIAR) Plan, achieving audit readiness requires support from functional leaders across the department, especially the information technology community. The financial and IT communities jointly bear the burden of proof to provide evidence demonstrating that reported financial figures are fairly stated in accordance with federal accounting standards.

*To view more, visit:*

<http://www.doncio.navy.mil/CHIPS/ArticleDetails.aspx?id=4033>