

National Aeronautics and Space Administration - received 3/12/2018

Federal Email Management Reporting for 2017

The jointly issued OMB/NARA *Managing Government Records Directive (M-12-18)* required Federal agencies to manage both permanent and temporary email records in an accessible electronic format by December 31, 2016.

NARA is continuing to monitor the management of email by requiring Federal agencies to report annually on the implementation of the *Criteria for Managing Email Records in Compliance with the Managing Government Records Directive (M-12-18)*. The success criteria describes the policy, system, access, and disposition requirements needed to properly manage all temporary and permanent email in an electronic format.

The reporting period begins on January 8, 2018, and reports are due back to NARA no later than March 16, 2018.

NARA plans to post your responses on archives.gov upon receipt. Please ensure that your agency's report is a publicly releasable version. This action is in the interest of transparency in Government and to promote collaboration and communication among agencies. NARA intends to list any non-responding agencies in a summary report and on the website.

NARA reserves the right to follow up with agencies to obtain additional information and/or documentation that supports their answers to the questions.

The following questions are designed to indicate how well your agency's email management meets the *Criteria for Managing Email Records in Compliance with the Managing Government Records Directive (M-12-18)*.

Please read carefully and choose the description that best describes your agency's ability to manage email.

Policies: Agency-wide policies and training must inform account holders of their responsibilities for managing email records. Policies should be developed with all relevant stakeholders and should address the requirements of the Federal Records Act, 36 CFR Chapter XII Subchapter B, and NARA guidance.

Q1.

Which of these levels best describes the state of your email policies?

- No email policies exist; relevant stakeholders have not been identified; senior-level email is not managed in any way; and there are no policies related to the loss of email records.
- Email policies are being drafted; and there is a general awareness of both the roles and responsibilities for managing email records, and of the risk of loss of email records.
- Email policies address general use of email only; relevant stakeholders have been identified; roles and responsibilities for email management have been defined; and there is an awareness of the risk of loss of email records.
- Email policies have been developed and disseminated; stakeholders, including the Chief Information Officer, Records Managers, and General Counsel, are involved in making policy and other decisions regarding email; there are policies governing holds on email records or accounts; policies include use of personal or non-official email accounts; and there are policies and procedures protecting against the loss of email records.
- Email policies are in place and implemented throughout the agency; all staff (including senior staff) have been trained on their roles and responsibilities for managing email including use of personal or non-official

email accounts; records management staff and/or Inspector General perform periodic audits of email policies to ensure proper use and implementation; and annual mandatory records and information management (RIM) and information security training includes roles and responsibilities regarding email.

Points = 3

C1. Comments on Q1 (Optional)

Systems: Agencies must have systems in place that can produce, manage, and preserve email records in an acceptable electronic format until disposition can be executed. Additionally, systems must support the implementation of agency policies and provide access to email records throughout their lifecycle.

Q2.

Which of these levels best describes the state of your email systems?

- Email is managed in disparate systems; email is managed by the end user; and no retention is applied.
- Systems retain temporary email records up to 180 days only; and print and file is the main method of preservation for email.
- Some centralized administration of email systems exists; there is limited identification of permanent email; and email is manually managed by the end user based on retention schedules.
- Administration of email systems is specifically assigned; temporary and permanent email categories are identified; systems are under development to handle the implementation of agency policies and lifecycle management; and electronic retention is the main method for the preservation of email.
- Email systems manage and preserve email in electronic format; limited end user input is needed to apply proper retention and disposition policies; permanent email is identified and managed; email systems maintain the content, context, and structure of the records; and email records are associated with their creator.

Points = 3

C2. Comments on Q2 (Optional)

NASA assesses our current status as minimally compliant across the board based upon the success criteria NARA published in 2016 for email records management. Our interim approach provides for the management of email records in electronic format, captures and protects permanent email, preserves content, context and structure of the records and associates them with their creator (or recipient when messages originate from outside NASA). NASA uses Veritas Enterprise Vault, an email archiving tool. Since February 10, 2009, NASA has captured the email of all senior managers who are now identified as Capstone officials under our NARA-approved Capstone retention schedule. NASA briefed NARA and other agencies several times in 2017 on the filtering tool our Agency is finalizing to filter out non-record emails of these senior officials and the plans to transfer the resulting records to the National Archives. For all other email users, NASA published policy and instructions on how to save messages that qualify as 'records of retention value greater than 180 days' so they are not lost and are protected against unauthorized access or destruction. NASA is implementing Office 365 (O365) as our Enterprise-wide email service in CY2018 which will bring the Agency into full compliance with NARA's published success criteria. Included in O365's records management functionality is storage of records in the cloud. As the system goes operational, NASA's plan is to implement the NARA-approved retention for records of Capstone Officials as permanent records and the approved 7-year retention schedule for all other users.

Access: Email records must remain usable and retrievable throughout their lifecycle. Access supports an agency's ability to carry out its business functions. Access should address internal agency needs and accommodate responses to requests for information.

Q3.

Which of these levels best describes the usability and retrievability of your email throughout its lifecycle?

- There is no attempt to determine whether or not email can be accessed beyond immediate business needs; there is no management of email of departed employees; producing email for requests is difficult, costly, and not always feasible; agency has multiple email systems that do not relate to each other and are not searchable across multiple accounts or systems; there are little or no safeguards in place for unauthorized access, unintentional modification or destruction; no defined processes exist for maintaining records making access and retrieval difficult; processes are performed in an ad hoc manner; and there is no formal definition or classification of email records.
- Email records are retrievable through system back-ups or other means; there is minimal management of email of departed employees; producing email for requests is achievable but time consuming and costly; there is limited training or other awareness of the security of email; and processes for maintaining email records are starting to be standardized agency-wide.
- Email records are included in a draft retention schedule pending approval; email of departing employees is maintained until someone can review; formal processes exist in order for records to be accessed and retrieved in a timely manner; standardized RIM lifecycle processes have been developed across the agency making access and retrieval of email records more reliable; and standardized processes for access and retrieval are beginning to be promulgated across the agency.
- Email is retrievable during the normal course of business; the email system has procedures for providing reference and responses for email requests; security and privacy protocols are included in the system; processes for the identification and classification of email records are standardized across the agency making access and retrieval reliable; and records are usually accessed and retrieved in a timely manner.
- Email is fully retrievable for requests; email review, preservation, and disposition is embedded into the processes for departing employees; records management controls are built into the email system to prevent unauthorized access, modification or destruction; processes for the identification and classification of email records are documented and integrated with agency business and mission at the strategic level.

Points = 3

C3. Comments on Q3 (Optional)

NASA's interim email management approach: • facilitates retrievability of email messages in a timely manner for business purposes over their active life, • provides for email management as records, ensuring security protections that guard against unauthorized access or destruction, and • provides a process to ensure records are not lost when employees separate from the Agency.

Disposition: The agency must have a NARA-approved schedule in place to be able to carry out the disposition of permanent and temporary email records – using either agency-specific schedules or General Records Schedule (GRS) 6.1: Email Managed under a Capstone Approach.

Q4.

Which of these levels best describes the state of your disposition of email?

- There is no retention schedule specifically covering email; disposition of email is not being done; and permanent email records have not been identified.
- Agency is beginning to work with NARA to create retention schedule specifically covering email; disposition of email is handled haphazardly by the end user; and there is some identification of permanent and temporary email records.
- Retention schedule covering email is in draft form but not yet approved; and disposition of email is handled with limited training for the end user.
- Retention schedule covering email has been approved by NARA; end users are trained to oversee the disposition of email records; and permanent records are identified and maintained until transfer to NARA.
- Retention schedule covering email has been approved by NARA; retention schedules are built into email management systems; permanent records are identified and captured by email management systems; and permanent records can be or have been successfully transferred to NARA.

Points = 3

C4. Comments on Q4 (Optional)

NARA approved NASA's proposed GRS 6.1 Capstone senior official positions of permanent value, and proposed 7 years retention of email of all other positions. As discussed in the response to Question 2, our Agency is incorporating rules implementing these schedules into Office 365 (O365) implementation during FY2018. Meanwhile, NASA is retaining permanent senior management e-mail records created since 2009. NASA data scientists have developed a filtering capability to sort non-record from record email in these holdings. This tool has been briefed to NARA and other agencies in 2017 and NARA has expressed satisfaction with the over 90% accuracy rate of filtering accuracy. Once this filtering capability is applied, NASA will be able to transfer permanent email records and delete non-record messages.

Q5. Please enter your contact information below.

First Name:	<input type="text" value="Patti"/>
Last Name:	<input type="text" value="Stockman"/>
Job Title:	<input type="text" value="Records Officer"/>
Agency:	<input type="text" value="NASA"/>
Component Agency/Office/Bureau:	<input type="text" value="NASA"/>
Email Address:	<input type="text" value="patti.stockman@nasa.gov"/>

SCORING

NARA will be using the maturity model score in our analysis of the success Federal agencies have had in developing email management programs and of what work needs to continue to improve email management across the government. NARA and Federal agencies will be able to compare maturity model scores from 2016 with those reported for 2017.

- Total number of scored questions in this report is four.
- Total number of points is 16.
- Maximum maturity model score, also known as the weighted mean, is four.
- The maturity score is derived by dividing the total number of points based on the level description chosen by the number of scored questions.

Score of 0 to 1.9 = High Risk - of not managing email effectively

Score of 2 to 2.9 = Moderate Risk - of not managing email effectively

Score of 3 to 4 = Low Risk - of not managing email effectively

Your Total Points = 12

Your Maturity Model Score = 3