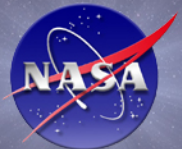


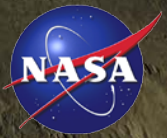
# **NASA EVM**

## **NDIA Update**

**April 2016**

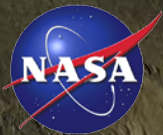
**Jerald Kerby**  
**NASA EVM Program Executive**





# Outline

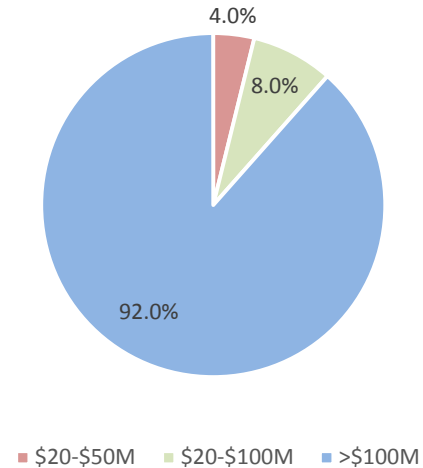
- Increased Thresholds
- EVMS Reciprocity
- NASA FAR Supplement (NFS) Update
- EVM Documentation Update
- EVMS Validation Approach for one off contracts
- Surveillance



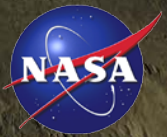
# NASA New Thresholds for EVMS

- Higher Threshold increased from \$50M to \$100M, Nov. 2015
- Procurement Class Deviation Issued
  - Retroactively applied with consideration to the Gov.
    - None applied to date (How much does it really cost?)
- Impact - 20 contracts with full EVM validation/surveillance
  - % of contracts reduced - 19%
  - Dollar Value reduced - 4%

Total Acquisition Value with EVM Requirements

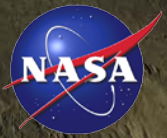


Flow-Down to Contractors and Lower Tier Subcontractors		
\$0 to \$20M	\$20M to \$100M	>\$100M
Non-EVM Performance Mgmt	32 Guidelines <b>Compliance</b>	32 Guidelines <b>Validated</b>
Contract Specifics Vary	IBRs EVM Reporting	IBRs EVM Reporting Validation Reviews Surveillance



# EVMS Reciprocity MOU

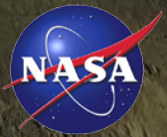
- EVMS Reciprocity MOU
  - OMB Sponsored per President's Memo dated Oct. 23, 2015
    - Subject: 'Reducing the burden of certifying Earned Value Management Systems'
  - **NASA and FAA has first government MOU in place**
  - More agreements are expected to follow
  - Working as part of larger group to establish an overall gov. MOU
    - Issues remaining seems to be what standards to use for reviews, interpretation, etc.
- NASA FAR Supplement Update
  - Updates to include increased thresholds
  - Reference IPMR versus CPR
  - Other minor changes
- Updates to all Handbooks, Guides, Instructions, etc. ongoing
  - Most will be minor with reference updates, i.e., ANSI/EIA-748 to EIA-748
  - A few will be major updates, i.e., IBR Handbook
  - Check NASA EVM Website at [evm.nasa.gov](http://evm.nasa.gov) for latest versions



# One off Contracts

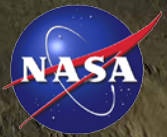
## Summary of Current NASA EVMS Approaches

- Big industry contractors with large contracts with both NASA and DoD (e.g., Boeing, Lockheed, etc)
  - Performed by the Defense Contract Management Agency (DCMA) via MOU
- Universities and/or Labs with multiple NASA contracts (e.g., APL, SwRI)
  - Performed by Agency EVM Lead and NASA wide team
- Universities or small businesses with one time contracts
  - NASA retains the required government EVMS acceptance and surveillance, based on a program led EVMS acceptance of the contractor's proposed and implemented EVMS plan



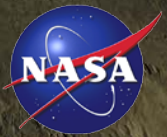
# One off Contracts Validation Approach

- Program Office led compliance review with support from OCE EVM POCs, Center and project perform EVMS review as requested
  - NASA retains Cognizant Federal Agency (CFA) function
- Pre-award contract activities
  - Program reviews and approves the contractor's plan prior to contract award with support from others as needed
- Post-award activities
  - Program monitors approved plan and status schedule milestones to acceptance
- Utilize existing NASA EVMS guidance:
  - Acceptance Guide for one-time contracts that is consistent with other guidance
  - Objective is to provide integrated program management information using the organization's resources and an EVMS capability that meets contract requirements
- EVMS accepted for one contract not the corporate level



# Advantages

- Efficient, tailorable and timely method to meet the EIA-748 guidelines and NFS requirements
- Utilize and leverage existing reviews, such as, IBRs to assess the EVMS capability
- Improves consistency of expectations in the proposal process and implementation
- Improves NASA and contractor communication and shortens the acceptance and surveillance process time.
- Focuses efforts on improved project data integrity and performance analysis, versus rigorous compliance requirements



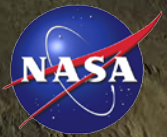
# Surveillance

- Audit findings continue to identify data integrity issues
  - NASA needs help in reducing these findings
- Government needs to improve
- Contractors need to improve also

## Steps that can be taken

- Run anomalies reports for schedules and EVM data
- Resolve issues promptly
  - Document rationale for acceptable anomalies





# NASA Website

## evm.nasa.gov



National Aeronautics  
and Space Administration

+ ABOUT NASA

+ LATEST NEWS

+ MULTIMEDIA

+ MISSIONS

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+ WORK FOR NASA

+ NASA Home

### Earned Value Management (EVM)

- OVERVIEW

+ TUTORIAL

+ REGULATIONS/REQUIREMENTS

+ EVM FOCAL POINTS

+ IMPLEMENTATION HANDBOOKS

+ EVM TRAINING INFORMATION

+ EVM REPORTS

+ LINKS TO OTHER EVM SITES

+ EVM GLOSSARY

+ EVM ACRONYMS



+ NASA Home > EVM

**The mission of the NASA Earned Value Management (EVM) website is to provide a primary on-line reference point for EVM theory, application, and use as an integrated project management process within NASA.**

#### OVERVIEW

#### What is EVM?

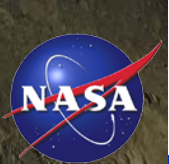
EVM is an integrated management control system for assessing, understanding and quantifying what a contractor or field activity is achieving with program dollars

- Integrates technical, cost, schedule, with risk management
- Allows objective assessment and quantification of current project performance
- Helps predict future performance based on trends.

EVM provides project management with objective, accurate and timely data for effective decision making

#### Policy References

OMB Circular A-11, Part 3; NPR 7120.5 Program/Project Management Processes and Requirements; Industry Guidelines, ANSI/EIA-748 Standard for EVM Systems



**Questions?**