



# 2024 NASA Cost & Schedule Symposium EVM Year in Review

Jon Fleming and Kristen Kehrer | April 2024

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# OCFO

OFFICE OF THE CHIEF FINANCIAL OFFICER

# Agency EVM Stewards

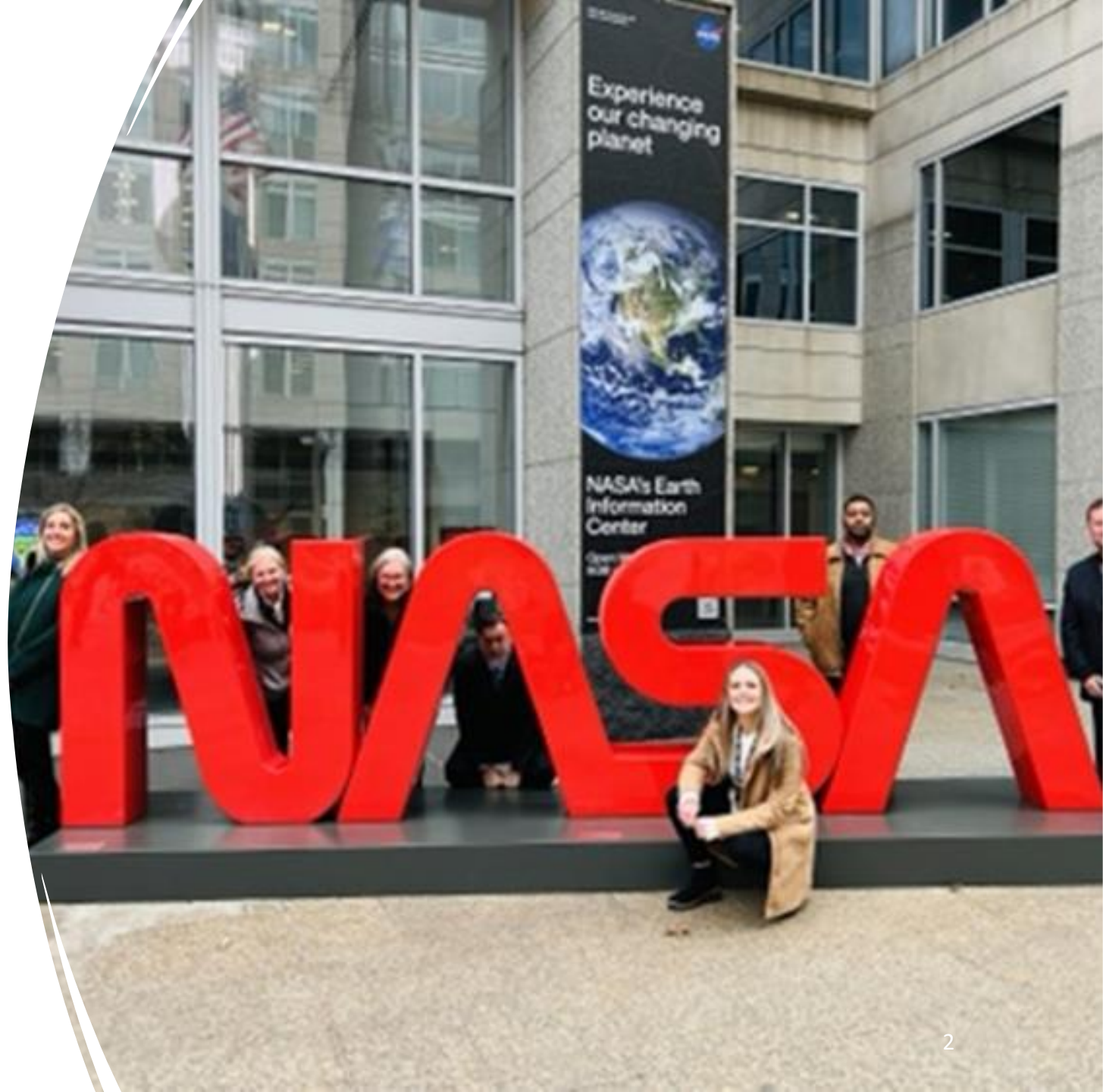
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# EVM Software System Administration

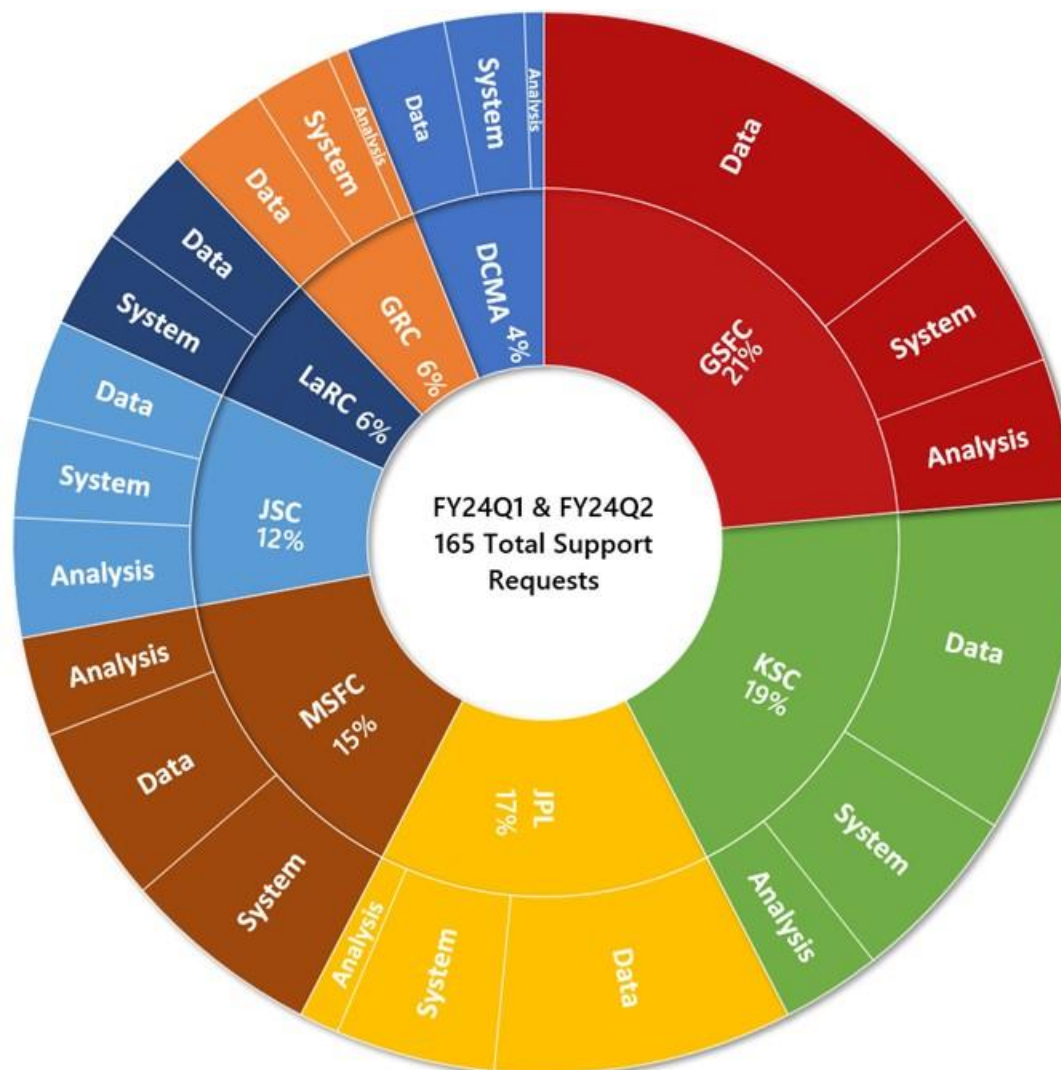
Agency Portfolio:  
~\$69B Active Projects (BAC)

EVM Central Repository:  
87% ESDMD & SMD  
13% SOMD, ARMD, STMD

Most Portfolio Dollars:  
ESDMD (~\$49B)

Most EVM Project Req:  
SMD (57% in Empower)

Most Centers/Suppliers:  
ESDMD (~49% - JSC, MSFC, KSC, \*GRC)



FY24 Help Desk Support:  
165 Total requests to date

Support Request Types:

- Data – Verification, Loading, Discrepancies
- System – System Admin requests, Functionality, etc.
- Analysis – Data Analysis, Custom/Ad hoc Reporting

Deltek Cobra:  
127 Users, 40 Project Files

EA Empower:  
252 Users, 113 Datasets





# EVMS Surveillance

1. NASA-led EVMS Surveillance on major Suppliers (APL, JPL, SwRI)
2. Agency-level EVMS Surveillance on In-house projects
3. EVMS Surveillance delegated to DCMA

What is Surveillance? The continuous process of reviewing the health of the EVM System (people, tool, processes)





# EVMS Surveillance at APL, JPL, and SwRI

## FY20Q1-FY24Q1

692 DECM Tests run  
over 17 quarters

Average of 171  
DECM Tests run per  
year

42 Surveillance  
Events

12 projects



# EVMS Surveillance Successes

*Overall, we're seeing improvements in processes, increased training, and changing culture about EVMS*





# NASA-led EVM System Compliance Review



Closed RAVE findings.  
Coordinating EVMS  
Compliance Review  
(kick-off, training,  
data drops, and  
deploy IP2M METRR)

Readiness  
Assessment  
Validation  
Evaluation  
(RAVE) Review  
completed July  
2022

Goal: Approved EVM  
System that  
complies with the  
Electronic Industries  
Alliance (EIA-748)  
Standard for EVMS  
(32 guidelines)

EVMS CR  
support  
(NASA, MDA,  
DOE, JPL, APL)

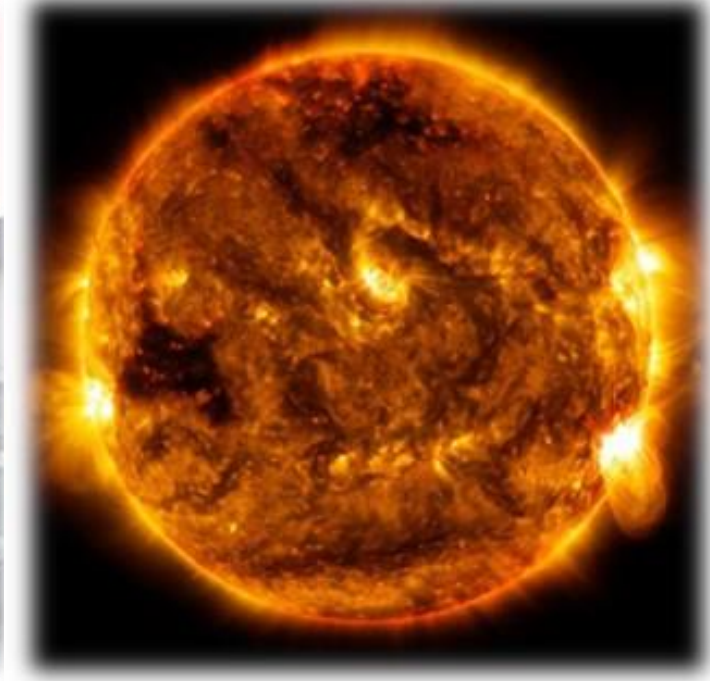
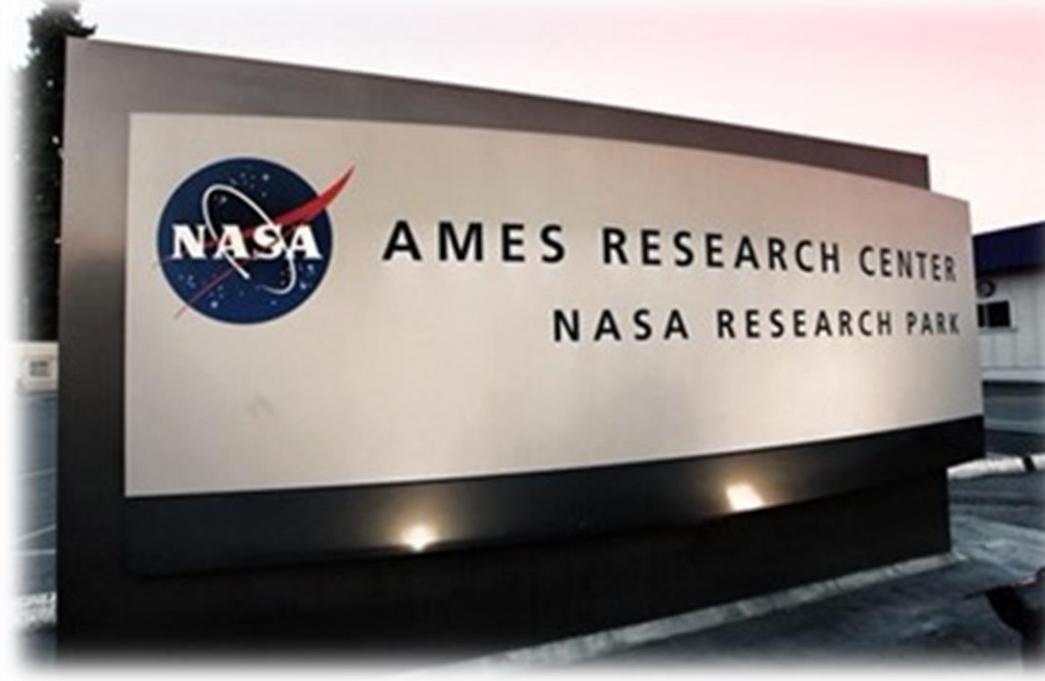
Formal EVMS  
Compliance  
Review  
Sep 9-13,  
2024





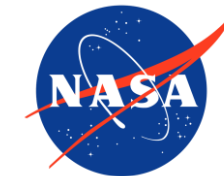
# EVM Capability Rollout at Ames

Integrated set of processes, tools, guidance, training, and technical support to demonstrate EVM Capability on In-house Projects

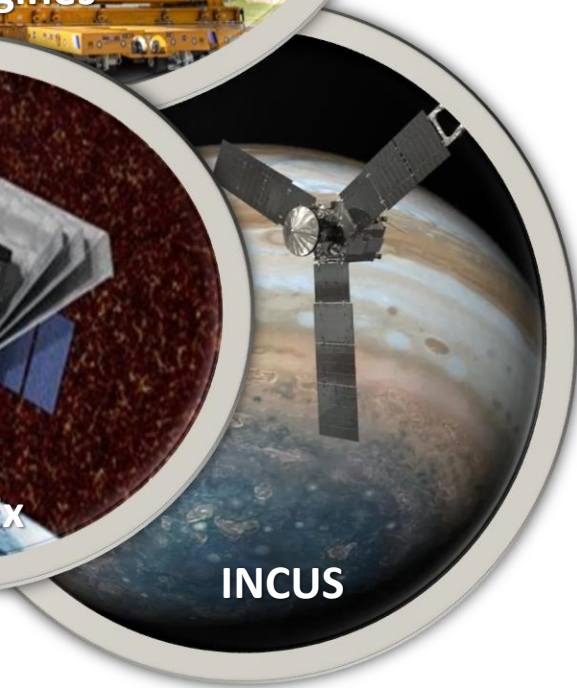


Credits: NASA/SDO





# Integrated Baseline Reviews (IBRs)







# nasa.gov/evm

## EVM Focus Areas and Related Topics

Explore More EVM Related Topics Below:



### Regulations and Requirements

Click the link below to learn more about NASA EVM Regulations and Requirements.

[Read More](#)



### Tutorial

Click below for a brief EVM Tutorial with illustrations/examples and the NASA EVM Reference Card.

[Read More](#)



### EVM Working Group

Click below to read more about the NASA Earned Value Management Working Group (EVMWG) and EVM Focal Points.

[Read More](#)



### Reporting Guidance and Tools

Click below to view NASA EVM Reporting Guidance and Tools information.

[Read More](#)



### Handbooks

Looking for EVM Implementation Handbooks? Look no further - we have all your EVM Handbooks in one place.

[Read More](#)

A full-page background image showing an astronaut in a white spacesuit kneeling on the grey, cratered surface of the moon. The astronaut's helmet has a very bright light source, creating a large lens flare that dominates the upper center of the frame. In the background, to the left, is a lunar lander with its antenna extended. To the right is a lunar rover. The sky is black and filled with stars.

# Questions