

# **NASA Office of Inspector General**

## **Open Recommendations as of June 15, 2025**

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The NASA Office of the Inspector General (OIG) makes recommendations to improve economy, efficiency, and effectiveness and to identify waste and mismanagement in NASA programs, projects, operations, and contractor activities. This report contains information about 117 recommendations that remained open as of June 15, 2025. Although NASA may have already taken steps to implement these recommendations, a recommendation is not considered closed until it has been fully implemented. Further, the status of open recommendations is subject to change as NASA continues its efforts to implement them, and we review those efforts. Therefore, some recommendations identified as open in this report may have subsequently been closed.

**NASA OFFICE OF THE INSPECTOR GENERAL – OPEN RECOMMENDATIONS as of June 15, 2025**

Row No.	Issue Date	Report Title	Report No.	Recommendation No.	Recommendation	Responsible Office
1	8/4/2022	Ames Lease Management Practices	IG-22-015	1	Conduct cyclical reviews (no less than once every 5 years) of the Ames lease process to ensure compliance with federal and NASA requirements.	Strategic Infrastructure
2	8/4/2022	Ames Lease Management Practices	IG-22-015	2	Update applicable real estate policies and NASA-wide guidance to enhance requirements and procedures to comply with EUL authority and to require maintaining appropriate documentation, documenting decisions, and fostering transparent coordination and communication with internal and external stakeholders in a timely manner.	Strategic Infrastructure
3	8/4/2022	Ames Lease Management Practices	IG-22-015	5	Implement written procedures in the lease process to ensure compliance with federal and NASA requirements applicable, but not limited to, timely involvement of the RPAO, competition, life-cycle cost analysis, fair market value assessments, certifications, and termination clauses as appropriate.	Ames Research Center (Center Director)
4	8/4/2022	Ames Lease Management Practices	IG-22-015	3	Update applicable real estate policies and NASA-wide guidance to enhance requirements and standardize applicable financial practices (such as the benefit and cost analysis, life-cycle cost analysis, and audits of tenants' books and records when required) associated with leases.	Strategic Infrastructure
5	8/4/2022	Ames Lease Management Practices	IG-22-015	4	Update applicable real estate policies and NASA-wide guidance to incorporate applicable security requirements and agreement clauses in leases.	Strategic Infrastructure
6	8/4/2022	Ames Lease Management Practices	IG-22-015	9	Conduct a Center-wide security vulnerability risk assessment, including the districts outside Ames Campus, to ensure compliance with federal and NASA requirements.	Office of Protective Services
7	8/4/2022	Ames Lease Management Practices	IG-22-015	10	Identify and implement mitigation strategies and resource requirements to address the security vulnerability assessment risks.	Office of Protective Services
8	11/30/2021	NASA's Utilization, Management, and Commercialization of Low Earth Orbit	IG-22-005	1	Ensure the risks associated with cracks and leaks in the Service Module Transfer Tunnel are identified and mitigated prior to agreeing to an ISS life extension.	Human Exploration and Operations
9	10/27/2020	NASA's Management of Its Acquisition Workforce	IG-21-002	2	Document contract assignments to COs, CORs, and program/project managers in a centralized system for inclusion in the Performance Metrics Dashboard.	Procurement
10	10/2/2020	Geospatial Data Act Audit	IG-21-001	2	Develop a unified Strategy Implementation Plan or "Roadmap" that defines detailed action items, milestones, and responsibilities for geospatial data management in support of missions across NASA.	Chief Information Officer
11	11/15/2021	NASA's Acquisition Strategy for the Artemis Program	IG-22-003	3	Develop an Artemis-wide cost estimate, in accordance with best practices, that is updated on an annual basis.	Human Exploration and Operations
12	11/15/2021	NASA's Acquisition Strategy for the Artemis Program	IG-22-003	4	Maintain an accounting of per-mission costs to increase transparency and establish a benchmark against which NASA can assess the outcome of initiatives to increase the affordability of ESD systems.	Human Exploration and Operations

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13	3/3/2020	Audit of NASA's Management of the Distributed Active Archive Data Centers	IG-20-011	1	Complete an independent analysis to determine the long term financial sustainability of supporting the cloud migration and operation while also maintaining the current DAAC footprint.	Science
14	11/14/2019	NASA's Management of Crew Transportation to the International Space Station	IG-20-005	2	Correct identified safety-critical technical issues before the crewed test flights, including parachute and propulsion systems testing, to ensure sufficient safety margins exist.	Human Exploration and Operations
15	7/16/2020	Audit of NASA's Management of the Orion Multi-Purpose Crew Vehicle	IG-20-018	2	Adjust the production schedules for Artemis 4 and 5 to better align with the successful demonstration of Artemis 2 to reduce schedule delays associated with potential rework.	Human Exploration and Operations
16	9/16/2020	Planetary Science Division Portfolio	IG-20-023	2	Engage relevant Centers and technical capability leaders to implement budgetary and accounting system options to support critical discipline capabilities.	Science
17	10/21/2019	Audit of NASA's Security Management	IG-20-001	5	Coordinate with the Office of General Counsel to standardize the carrying of firearms by NASA civil servants in an Agency-wide policy while also addressing the appropriate situations when NASA contractors may carry their government-issued weapons off NASA property.	Office of Protective Services
18	5/29/2019	Audit of NASA's Europa Mission	IG-19-019	9	Reassess the process of isolating key project personnel from instrument selection to balance their additional insight in integration and cost estimation while maintaining fairness in the announcement.	Science
19	3/10/2020	NASA's Cost Management of the Space Launch System	IG-20-012	2	Review HEOMD and NASA program management policies, procedures, and ABC reporting processes to provide greater visibility into current, future, and overall cost and schedule estimates for the SLS Program and other human space flight program	Human Exploration and Operations
20	3/10/2020	NASA's Cost Management of the Space Launch System	IG-20-012	2	Establish methodologies and processes to track and set cost commitments for Artemis II.	Human Exploration and Operations
21	10/22/2018	Audit of NASA's Historic Property Management	IG-19-002	2	Develop comprehensive procedures for identifying and managing heritage assets, including defining roles and responsibilities for the different NASA entities responsible for evaluating what historic items would most effectively be maintained by the Agency and considered as heritage assets; and  Adopt a process that more resembles the Smithsonian's approach to more effectively assess historic assets as to whether they should be retained or transferred to other organizations for preservation and utilization.	Strategic Infrastructure
22	1/27/2021	NASA's Efforts to Mitigate Risks Posed by Orbital Debris	IG-21-011	3	Invest in methods and technologies for removing defunct spacecraft; Conduct a study evaluating the technical merit and cost to investing in active debris removal systems and technologies.	Office of the Administrator

Row No.	Issue Date	Report Title	Report No.	Recommendation No.	Recommendation	Responsible Office
23	9/8/2021	NASA's Management of the Construction of Facilities Process	IG-21-027	1	Develop and institute an agency-wide process to prioritize and fund institutional and programmatic CoF projects that align with Agency-level missions and goals and require business case analyses to be completed and considered as part of the process prior to the project's approval.	Strategic Infrastructure
24	9/8/2021	NASA's Management of the Construction of Facilities Process	IG-21-027	3	Institute a process to ensure facility requirements are identified and funding sources are specified during a program's development and implementation phases.	Strategic Infrastructure
25	7/12/2023	Audit of NASA's Deep Space Network	IG-23-016	1	Explore more efficient options for DSN scheduling, such as maintaining a list of DSN users by priority that is updated in real-time and accessible to all users.	Space Operations
26	7/12/2023	Audit of NASA's Deep Space Network	IG-23-016	2	Ensure completion of the DAEP's remaining antennas and transmitters and finalize requirements for the LEGS project.	Space Operations
27	7/12/2023	Audit of NASA's Deep Space Network	IG-23-016	3	Finalize international agreements, obtain appropriate clearances for installing the remaining 80 kW transmitters, and establish mechanisms to allow for greater oversight of DAEP project sites.	Space Operations
28	3/20/2023	NASA's Management of Radioisotope Power Systems (RPS) Program	IG-23-010	2	Conduct high quality, frequent, and routine self-assessment TRAs by project management beginning after the initial implementation of a technology development project as a basis for TRL assessment and risk management discussions.	Science
29	3/20/2023	NASA's Management of Radioisotope Power Systems (RPS) Program	IG-23-010	1	Create an RPS resource allocation and technology development strategic plan that includes an evaluation and mitigation of risks for each project through its completion and provide a communication plan to stakeholders and mission managers.	Science
30	3/20/2023	NASA's Management of Radioisotope Power Systems (RPS) Program	IG-23-010	3	Recalculate the life-cycle costs for Next-Gen RTG and DRPS projects to include funding NASA provides to DOE.	Science
31	3/20/2023	NASA's Management of Radioisotope Power Systems (RPS) Program	IG-23-010	9	Reevaluate the need and if appropriate reauthorize the organizational position of the Nuclear Power and Propulsion System Capability Leadership Team through the appropriate Mission Directorate and provide the Team responsibility for monitoring and advocating strategic nuclear power coordination across NASA.	Space Technology
32	3/20/2023	NASA's Management of Radioisotope Power Systems (RPS) Program	IG-23-010	6	Develop a means for the RPS Program to obtain high-fidelity Pu-238 and fueled clad current and future inventory information.	Science
33	3/20/2023	NASA's Management of Radioisotope Power Systems (RPS) Program	IG-23-010	4	Institute an EVM process for Next-Gen RTG and DRPS projects that conforms with NASA policy, FAR requirements, and industry best practices.	Science
34	3/20/2023	NASA's Management of Radioisotope Power Systems (RPS) Program	IG-23-010	5	Execute a JCL analysis at the proper phases in accordance with NPR 7120.5F.	Science
35	3/20/2023	NASA's Management of Radioisotope Power Systems (RPS) Program	IG-23-010	8	Leverage the RPS Program's existing business processes with its element structure to monitor fission technology development for SMD feasibility and educate stakeholders on the possibilities and differences.	Science

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36	1/17/2023	Review of NASA's Efforts to Partner with International Space Agencies for the Artemis Missions	IG-23-004	10	Develop an automated routing method for the processing of international agreements within NASA.	International and Interagency Relations
37	1/17/2023	Review of NASA's Efforts to Partner with International Space Agencies for the Artemis Missions	IG-23-004	6	Review export control requirements and consider additional roles for partner astronauts to increase their utilization in NASA space flight operations, to include amending existing agreements if necessary.	Space Operations
38	10/5/2022	Audit of NASA's Compliance with the Geospatial Data Act for Fiscal Year 2022	IG-23-001	3	Ensure the implementation plan for the Geospatial Data Strategy contains detailed action items and milestones, including those for developing a complete and accurate inventory of the Agency's geospatial data.	Chief Information Officer
39	10/5/2022	Audit of NASA's Compliance with the Geospatial Data Act for Fiscal Year 2022	IG-23-001	2	Ensure roles and responsibilities of the SAOGI and other key stakeholders are defined in both the Geospatial Data Strategy and its implementation plan.	Chief Information Officer
40	10/5/2022	Audit of NASA's Compliance with the Geospatial Data Act for Fiscal Year 2022	IG-23-001	4	Ensure continued coordination with NARA to establish the appropriate level of scientific data for inclusion in NARA-approved records schedules.	Chief Information Officer
41	1/12/2023	Audit of NASA's Software Asset Management	IG-23-008	2	Implement a single Software Asset Management tool across the Agency.	Chief Information Officer
42	1/12/2023	Audit of NASA's Software Asset Management	IG-23-008	9	Centralize software spending insights to include purchase cards.	Chief Financial Officer
43	9/5/2023	Management of NASA's Earth System Science Pathfinder Program	IG-23-018	7	Develop a formal and clear guidance on the roles, responsibilities, and expectations for the inclusion of applications within Earth Venture Class projects.	Science
44	9/5/2023	Management of NASA's Earth System Science Pathfinder Program	IG-23-018	2	Reexamine its selection process to ensure PIs or their team have sufficient experience, including project management, and the ability to dedicate necessary resources to effectively manage ESSP projects.	Science
45	9/5/2023	Management of NASA's Earth System Science Pathfinder Program	IG-23-018	8	Develop a methodology for funding applications in Earth Venture Class projects.	Science
46	10/19/2023	NASA's Management of the Artemis Program's Supply Chain	IG-24-003	6	Incorporate a representative from the Logistics Management Division into each Artemis-related program and project at appropriate milestones, including at the onset of a contract and each life-cycle milestone.	Exploration Systems Development
47	2/28/2024	Audit of Mars Sample Return Program	IG-24-008	2	Ensure the life-cycle cost and schedule estimates properly incorporate MSR Program complexity and performance as factors and do not only focus on external cost growth impacts and ongoing design issues.	Science
48	2/28/2024	Audit of Mars Sample Return Program	IG-24-008	3	Ensure the Agency Program Management Council is provided with a set of potential launch scenarios by KDP-C, including life-cycle cost and schedule estimates and an associated Joint Cost and Schedule Confidence Level for each.	Science
49	2/28/2024	Audit of Mars Sample Return Program	IG-24-008	1	Ensure the MSR Program establishes a stable CCRS design prior to establishing the life-cycle cost and schedule estimate at KDP-C, incorporating recommendations from the 2023 IRB as appropriate.	Science

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50	4/25/2024	STEM Engagement	IG-24-010	1	Re-evaluate the OSTEM performance goals to ensure they are distinct and well correlated with outcomes.	STEM Engagement
51	4/25/2024	STEM Engagement	IG-24-010	6	Require all NASA organizations capture STEM engagement activities in STEM Gateway.	Office of the Administrator
52	4/25/2024	STEM Engagement	IG-24-010	5	Re-evaluate jurisdictions eligible for EPSCoR funds to ensure effective and equitable distribution of Agency funds.	Office of the Administrator
53	4/25/2024	STEM Engagement	IG-24-010	2	Develop a procedure to ensure OSTEM tracks and reports funding for all Agency STEM engagement activities.	STEM Engagement
54	8/17/2023	Evaluation of NASA's Information Security Program under FISMA for FY 2023	IG-23-017	20	Continue efforts to prioritize projects that address the complexities required across EL tiers to meet the intermediate (EL2) maturity level in accordance with OMB M-21-31.	Chief Information Officer
55	8/17/2023	Evaluation of NASA's Information Security Program under FISMA for FY 2023	IG-23-017	8	Revise policies and procedures to document and implement a lessons learned process based on risk events within the ISCM and Risk Management areas. System security personnel should be instructed to record, analyze, and revise control activities to improve NASA's security posture.	Chief Information Officer
56	8/17/2023	Evaluation of NASA's Information Security Program under FISMA for FY 2023	IG-23-017	11	Implement the necessary entity-wide oversight to improve enforcement mechanisms and controls to ensure all standard baselines and vulnerabilities are monitored and remediated in accordance with Federal and Agency requirements.	Chief Information Officer
57	8/17/2023	Evaluation of NASA's Information Security Program under FISMA for FY 2023	IG-23-017	15	Ensure that the security controls in control families PM, PT, and SR are updated and defined within the Agency's ISCM strategy.	Chief Information Officer
58	8/17/2023	Evaluation of NASA's Information Security Program under FISMA for FY 2023	IG-23-017	16	Document the NMI process in NASA's ISCM Strategy to ensure its hardware inventory monitoring process is accurate, complete, and fully aligns with NASA's other continuous monitoring guidance and integrates processes, associated outputs, and incorporates results to provide situational awareness.	Chief Information Officer
59	3/14/2024	Audit of NASA's High-End Computing Program	IG-24-009	5	Evaluate cyber risks associated with HEC assets to determine oversight and monitoring requirements, establish risk appetite, and address control deficiencies. Consider using NASA's Splunk enterprise platform as a shared resource.	Office of the Administrator
60	3/14/2024	Audit of NASA's High-End Computing Program	IG-24-009	6	Implement an HEC classification/category designation within Risk Information Security Compliance System for identifying HEC assets.	Office of the Administrator
61	3/14/2024	Audit of NASA's High-End Computing Program	IG-24-009	8	Document data risk impact levels, classification, and export control categorization for all HEC jobs.	Office of the Administrator
62	3/14/2024	Audit of NASA's High-End Computing Program	IG-24-009	9	Identify and mitigate gaps in the foreign national accreditation access process.	Office of the Administrator
63	5/1/2024	NASA's Readiness for the Artemis II Crewed Mission to Lunar Orbit	IG-24-011	1	Ensure the root cause of Orion heat shield char liberation is well understood prior to the Artemis II mission.	Exploration Systems Development
64	5/1/2024	NASA's Readiness for the Artemis II Crewed Mission to Lunar Orbit	IG-24-011	3	Require EGS conduct additional verification and validation for launch imagery equipment prior to launch attempts should launch conditions change.	Exploration Systems Development

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65	5/1/2024	NASA's Readiness for the Artemis II Crewed Mission to Lunar Orbit	IG-24-011	2	Conduct analysis of Orion separation bolts using updated models that account for char loss, design modifications, and operational changes to Orion prior to launch of the Artemis II mission.	Exploration Systems Development
66	5/1/2024	NASA's Readiness for the Artemis II Crewed Mission to Lunar Orbit	IG-24-011	4	Reexamine procedures to better ensure recovery of Orion jettisoned hardware for the Artemis II mission.	Exploration Systems Development
67	5/1/2024	NASA's Readiness for the Artemis II Crewed Mission to Lunar Orbit	IG-24-011	6	Establish a course of action and timeline for individual Artemis system design changes before beginning integrated system assembly stacking operations.	Exploration Systems Development
68	8/8/2024	Artemis IV and Beyond - EPOC/Block 1B	IG-24-001	1	Establish achievable cost saving metrics beginning with Artemis IV SLS elements and production contracts.	Human Exploration and Operations
69	8/8/2024	Artemis IV and Beyond - EPOC/Block 1B	IG-24-001	4	Conduct a detailed review of all contractor-submitted documents to ensure the government's rights to data and processes are not unnecessarily transferred to the contractor.	Human Exploration and Operations
70	8/8/2024	Artemis IV and Beyond - EPOC/Block 1B	IG-24-001	5	Include contract flexibility on future SLS acquisitions that will allow NASA to pivot to other commercial alternatives.	Human Exploration and Operations
71	8/8/2024	Artemis IV and Beyond - EPOC/Block 1B	IG-24-001	6	Add compensation to the DST contract such as incentive fees for when the contractor achieves specific cost saving goals.	Human Exploration and Operations
72	8/8/2024	Artemis IV and Beyond - EPOC/Block 1B	IG-24-001	2	Transition the core stage and Exploration Upper Stage contracts to fixed-price contracts with a per mission price to codify the actual costs.	Human Exploration and Operations
73	8/8/2024	Artemis IV and Beyond - EPOC/Block 1B	IG-24-001	3	Increase the percentage of cost as a factor when conducting contractor evaluations for award fee purposes.	Human Exploration and Operations
74	8/8/2024	Artemis IV and Beyond - EPOC/Block 1B	IG-24-001	7	Ensure Government Mandatory Inspection Points and government oversight teams remain throughout the EPOC transition period.	Chief, Safety and Mission Assurance
75	8/8/2024	Artemis IV and Beyond - EPOC/Block 1B	IG-24-015	4	Coordinate with DCMA to ensure contractual compliance with EVMS clauses.	Exploration Systems Development
76	8/8/2024	Artemis IV and Beyond - EPOC/Block 1B	IG-24-015	1	Coordinate with Boeing, the SLS Stages prime contractor, to develop a quality management system training program that is compliant with AS9100D and reviewed by the appropriate NASA officials.	Exploration Systems Development
77	8/8/2024	Artemis IV and Beyond - EPOC/Block 1B	IG-24-015	3	Perform a detailed cost overrun analysis on Boeing's Stages contract for EUS development.	Exploration Systems Development
78	8/8/2024	Artemis IV and Beyond - EPOC/Block 1B	IG-24-015	2	Institute financial penalties for Boeing's noncompliance with quality control standards.	Exploration Systems Development
79	9/26/2024	NASA's Management of Risks to Sustaining International Space Station Operations through 2030	IG-24-020	1	Report on NASA's progress to reexamine available orbital debris tracking tools and offices to ensure all practicable data sources are leveraged to inform ISS operations and ensure crew safety.	Space Operations



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80	9/26/2024	NASA's Management of Risks to Sustaining International Space Station Operations through 2030	IG-24-020	2	Document safety contingency plans and vehicle reassignment rules to help ensure the safe return of crew in the event of an emergency—expanding these efforts to include damage to the Space Exploration Technologies Corporation's (SpaceX) Crew Dragon and The Boeing Company's Starliner.	Space Operations
81	9/26/2024	NASA's Management of Risks to Sustaining International Space Station Operations through 2030	IG-24-020	3	Develop plans that reflect potential cost savings measures and anticipated reductions in operations for ISS decommissioning.	Space Operations
82	9/26/2024	NASA's Management of Risks to Sustaining International Space Station Operations through 2030	IG-24-020	4	Update the controlled deorbit plan and ensure the plan includes key commitment, technical, schedule, and cost challenges impacting the 2031 deorbit time frame.	Space Operations
83	6/6/2024	Audit of NASA's Commercial Lunar Payload Services Initiative	IG-24-013	3	Finalize a management plan with clear leadership authority and responsibility that would delineate CLPS initiative performance goals and metrics that are measurable and targeted, criteria for augmented insight, a formal lessons-learned process, and any other relevant guidelines for the management plan's implementation.	Science
84	6/6/2024	Audit of NASA's Commercial Lunar Payload Services Initiative	IG-24-013	2	Reassess NASA's role in, and contribution to, the commercial lunar delivery market.	Science
85	6/6/2024	Audit of NASA's Commercial Lunar Payload Services Initiative	IG-24-013	4	Prepare and formalize a CLPS Manifest Selection Board charter and processes.	Science
86	6/6/2024	Audit of NASA's Commercial Lunar Payload Services Initiative	IG-24-013	5	Strengthen procedures to ensure science payload interfaces and requirements are mature enough to write an RFTP that would minimize future requirement changes.	Science
87	9/24/2024	NASA's Management of its Rocket Propulsion Testing (RPT) Capability	IG-24-018	5	Ensure that the appropriate revisions are made to NPR and NPD 8600.1 to clarify the authority structure.	Strategic Infrastructure
88	9/24/2024	NASA's Management of its Rocket Propulsion Testing (RPT) Capability	IG-24-018	2	Ensure that cost models deployed at all RPT Centers include full recovery of applicable maintenance costs for the infrastructure and facilities being utilized, similar to that being piloted at Stennis.	Space Operations
89	9/24/2024	NASA's Management of its Rocket Propulsion Testing (RPT) Capability	IG-24-018	4	Document the results and planned RPT actions following completion of the Commercial Capability Survey.	Space Operations
90	9/24/2024	NASA's Management of its Rocket Propulsion Testing (RPT) Capability	IG-24-018	1	Establish a requirement in the RPT Program Plan for recurring right-size studies for the RPT capability portfolio and use the results to reexamine workforce and capability requirements for the future.	Space Operations
91	9/24/2024	NASA's Management of its Rocket Propulsion Testing (RPT) Capability	IG-24-018	3	Document and establish the FM&M process in the RPT Program Plan or RPTMB Operating Procedures.	Space Operations
92	8/27/2024	NASA's Management of the Mobile Launcher 2 Project	IG-24-016	2	Conduct a thorough analysis of the feasibility of utilizing the fixed-price option, and if NASA determines that it will not be exercised, remove the option from the ML-2 contract.	Exploration Systems Development
93	8/27/2024	NASA's Management of the Mobile Launcher 2 Project	IG-24-016	1	Ensure lessons learned from the ML-2's acquisition, contract, and project management are codified to inform future development efforts.	Exploration Systems Development
94	12/16/2024	Oversight of the FY 2024 Financial Statement Audit	IG-25-001	1	Ensure that control activities are operating as designed and that the appropriate level of documentation to evidence reviews is maintained to prevent and detect material misstatements.	Chief Financial Officer



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95	12/16/2024	Oversight of the FY 2024 Financial Statement Audit	IG-25-001	2	Consider whether additional training on proper operation of its controls is necessary to enhance NASA's financial reporting control environment.	Chief Financial Officer
96	12/16/2024	Oversight of the FY 2024 Financial Statement Audit	IG-25-001	3	Perform ongoing monitoring over the operating effectiveness of its financial reporting controls.	Chief Financial Officer
97	3/27/2025	Audit of NASA's Zero Trust Architecture: Progress and Challenges in Modernizing IT Systems and Infrastructure	IG-25-004	1	Collaborate with mission directorate officials to update NASA's ZTA implementation plan to include all efforts associated with the transition to ZTA within the non-corporate environment.	Chief Information Officer
98	3/27/2025	Audit of NASA's Zero Trust Architecture: Progress and Challenges in Modernizing IT Systems and Infrastructure	IG-25-004	4	Engage mission directorates as ZTA pathfinders to identify and evaluate early adoption use-case candidates, employ a "test like you fly" approach, and provide insight to potential issues.	Chief Information Officer
99	3/27/2025	Audit of NASA's Zero Trust Architecture: Progress and Challenges in Modernizing IT Systems and Infrastructure	IG-25-004	2	Develop a centralized process to track legacy systems that details deficiencies along with operational, technical, and financial constraints to determine a best course of action for remediation.	Chief Information Officer
100	3/27/2025	Audit of NASA's Zero Trust Architecture: Progress and Challenges in Modernizing IT Systems and Infrastructure	IG-25-004	3	Embed OCIO subject matter experts within the mission directorates to provide Agency-focused advocacy and expertise to analyze mission system cybersecurity compatibility and operational complexities.	Chief Information Officer

**Note: This table omits 17 recommendations that NASA determined to be classified or sensitive and are therefore unsuitable for public release.**

## RECENTLY CLOSED RECOMMENDATIONS

Row No.	Issue Date	Report Title	Report No.	Recommendation No.	Recommendation	Responsible Office
1	12/19/2023	Audit of NASA's Privacy Program	IG-24-006	5	Ensure that designated members of a Breach Response Team participate in a tabletop exercise, at least annually.	Chief Information Officer
2	1/11/2022	NASA's Management of its Astronaut Corps	IG-22-007	3	Coordinate with Artemis program offices to complete the development and chartering of the framework of Artemis boards and panels to ensure alignment with future mission training needs for new vehicles and missions, including Orion, next-generation spacesuits, HLS, and Gateway.	Human Exploration and Operations
3	6/6/2024	Audit of NASA's Commercial Lunar Payload Services Initiative	IG-24-013	1	Conduct updated market research to assess capability growth across the lunar economy and associated transportation sector since 2017.	Science
4	3/10/2020	NASA's Cost Management of the Space Launch System	IG-20-012	2	Determine reporting and tracking procedures for setting cost and schedule commitments and monitor progress throughout the entire life cycle of the SLS Program.	Human Exploration and Operations
5	10/22/2018	Audit of NASA's Historic Property Management	IG-19-002	5	Ensure NASA policy for using the proceeds from facilities leased under NHPA authority appropriately aligns with Agency goals to minimize excess facilities.	Strategic Infrastructure