

# **NASA Office of Inspector General**

## **Open Recommendations as of November 15, 2023**

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The National Aeronautics and Space Administration (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 198 recommendations that remained open as of November 15, 2023. 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 November 15, 2023**

| Row No. | Issue Date | Report Title  | Report No. | Recommendation No. | Recommendation   | Responsible Office               |
|---------|------------|---|------------|--------------------|--|----------------------------------|
| 1       | 3/9/2017   | NASA's Management of Electromagnetic Spectrum                               | IG-17-012  | 2                  | Incorporate the "Spectrum Guidance for NASA Small Satellite Missions" into formal NASA spectrum policies--NASA Policy Directive 2570.5E, "NASA Electromagnetic Spectrum Management - Revalidated 9/13/16," and NPR 2570.1C, "NASA Radio Frequency Electromagnetic Spectrum Management Manual."   | Human Exploration and Operations |
| 2       | 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 We encourage NASA to 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         |
| 3       | 10/22/2018 | Audit of NASA's Historic Property Management                                | IG-19-002  | 3                  | Evaluate and justify the existing list of NASA and contractor held heritage assets to determine whether NASA is the most effective owner and what property the Agency will retain because of its historical value. We encourage NASA to adopt a process that more resembles the Smithsonian's approach to assess historic assets more effectively as to whether they should be retained or transferred to other organizations for preservation and utilization.  | Strategic Infrastructure         |
| 4       | 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         |
| 5       | 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                          |
| 6       | 10/21/2019 | Audit of NASA's Security Management   | IG-20-001  | 4                  | Evaluate Agency-wide jurisdictions to determine if it is feasible for all Centers to be under the same jurisdiction or at least to determine if individual Centers should have all of their property under the same type of jurisdiction   | Office of Protective Services    |
| 7       | 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    |
| 8       | 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 |
| 9       | 3/3/2020   | Audit of NASA's Management of the Distributed Active Archive Data Centers   | IG-20-011  | 1                  | In conjunction with ESDIS, once SWOT and NISAR are operational and providing sufficient data, 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                          |
| 10      | 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 |

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| 11      | 3/10/2020  | NASA's Cost Management of the Space Launch System                      | IG-20-012  | 2                  | Establishing methodologies and processes to track and set cost commitments for Artemis II.  | Human Exploration and Operations    |
| 12      | 3/10/2020  | NASA's Cost Management of the Space Launch System                      | IG-20-012  | 2                  | Determining reporting and tracking procedures for setting cost and schedule commitments, and monitoring progress throughout the entire life cycle of the SLS Program (through at least 2030).   | Human Exploration and Operations    |
| 13      | 3/17/2020  | Audit of the Mobile Launcher   | IG-20-013  | 3                  | Ensure life-cycle and milestone reviews incorporate programmatic and technical risks and are conducted with the Associate Administrator for Human Exploration and Operations Directorate and other senior Agency officials.   | Human Exploration and Operations    |
| 14      | 3/17/2020  | Audit of the Mobile Launcher   | IG-20-013  | 4                  | Require the ML-2 project to develop an ABC separate from the EGS Program.   | Human Exploration and Operations    |
| 15      | 7/16/2020  | Audit of NASA's Management of the Orion Multi Purpose Crew Vehicle     | IG-20-018  | 2                  | To the extent practicable, 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                  | In coordination with the Office of Chief Financial Officer, engage relevant Centers and technical capability leaders to implement budgetary and accounting system options to support critical discipline capabilities.  | Science                             |
| 17      | 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           |
| 18      | 10/27/2020 | NASA's Management of Its Acquisition Workforce                         | IG-21-002  | 1                  | Finalize and fully implement the Performance Metrics Dashboard to measure acquisition performance.  | Procurement                         |
| 19      | 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                         |
| 20      | 11/10/2020 | NASA's Acquisition Strategy for the Lunar Gateway and Artemis Missions | IG-21-004  | 1                  | Baseline the Gateway requirements and specifications in contract modifications prior to updating and awarding the PPE and HALO fixed-price contracts.   | Human Exploration and Operations    |
| 21      | 11/10/2020 | NASA's Acquisition Strategy for the Lunar Gateway and Artemis Missions | IG-21-004  | 2                  | Ensure PPE and HALO delivery and launch dates are realistic by including sufficient schedule margin in the development schedule.  | Human Exploration and Operations    |
| 22      | 11/10/2020 | NASA's Acquisition Strategy for the Lunar Gateway and Artemis Missions | IG-21-004  | 3                  | Develop a HEOMD policy that establishes a reasonable amount of recommended schedule margin by phase of the program or project.  | Human Exploration and Operations    |
| 23      | 12/3/2020  | Audit of NASA's Management of Hazardous Material                       | IG-21-006  | 7                  | Require Center Directors to inspect and replace, as required, laboratory hazardous material storage structures and improve shelters that do not follow CDC guidelines or comply with Agency requirements.   | Chief, Safety and Mission Assurance |
| 24      | 12/3/2020  | Audit of NASA's Management of Hazardous Material                       | IG-21-006  | 5                  | Assess various options for development and implementation of an Agency-wide hazardous materials information system that tracks hazardous materials throughout the life cycle, and ensure processes are in place to consistently maintain a complete and accurate inventory. | Chief, Safety and Mission Assurance |
| 25      | 1/27/2021  | NASA's Efforts to Mitigate Risks Posed by Orbital Debris               | IG-21-011  | 1                  | Lead national and international collaborative efforts to mitigate orbital debris including activities to encourage active debris removal and the timely end-of-mission disposal of spacecraft.  | Office of the Administrator         |

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| 26      | 1/27/2021  | NASA's Efforts to Mitigate Risks Posed by Orbital Debris                 | IG-21-011  | 2                  | Collaborate with Congress, other federal agencies, and partners from the private and public sectors to adopt national and international guidelines on active debris removal and strategies for increasing global compliance rates for timely removal of spacecraft at the end of a mission.  | Office of the Administrator      |
| 27      | 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. As part of this effort, conduct a study evaluating the technical merit and cost to investing in active debris removal systems and technologies.  | Office of the Administrator      |
| 28      | 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         |
| 29      | 9/8/2021   | NASA's Management of the Construction of Facilities Process              | IG-21-027  | 2                  | Revise NPR 8820.2G to define and establish parameters for the use of institutional and programmatic CoF funds and establish a cost-sharing method for facilities that will have more than one user.  | Strategic Infrastructure         |
| 30      | 9/8/2021   | NASA's Management of the Construction of Facilities Process              | IG-21-027  | 3                  | In coordination with the Mission Directorates, institute a process to ensure facility requirements are identified and funding sources are specified during a program's development and implementation phases.  | Strategic Infrastructure         |
| 31      | 11/15/2021 | NASA's Acquisition Strategy for the Artemis Program                      | IG-22-003  | 1                  | Develop a realistic, risk-informed schedule that includes sufficient margin to better align Agency expectations with the development schedule.   | Human Exploration and Operations |
| 32      | 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 |
| 33      | 11/15/2021 | NASA's Acquisition Strategy for the Artemis Program                      | IG-22-003  | 6                  | Develop a realistic funding profile and schedule given the underfunding of HLS in FY 2021, the selection of one HLS award, and the desire to compete a sustainability contract for future lunar missions.  | Human Exploration and Operations |
| 34      | 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 |
| 35      | 11/30/2021 | NASA's Utilization, Management, and Commercialization of Low Earth Orbit | IG-22-005  | 1                  | In order to mitigate risks to the Station's structural integrity, 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 |
| 36      | 1/11/2022  | NASA's Management of its Astronaut Corps                                 | IG-22-007  | 3                  | At least 18 months prior to the planned Artemis II launch, 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 |
| 37      | 3/14/2022  | Audit of NASA's Insider Threat Program                                   | IG-22-009  | 2                  | Improve cross-discipline communication by establishing a Working Group that includes OPS, OCIO, Procurement, human resource officials, and any other relevant Agency offices to collaborate on wide-ranging insider threat related issues for both classified and unclassified systems.  | Office of Protective Services    |
| 38      | 4/6/2022   | Volatiles Investigating Polar Expansion Rover (VIPER)                    | IG-22-010  | 2                  | Develop a VIPER mission cost estimate that includes all critical mission components and risks, specifically associated with the Astrobotic task order, and update the MPAR accordingly.  | Science                          |

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| 39      | 4/6/2022   | Volatiles Investigating Polar Expansion Rover (VIPER)               | IG-22-010  | 3                  | Update NPR 7120.8 to require major acquisition projects that cost over \$250 million to complete a JCL analysis.  | Chief Engineer                   |
| 40      | 4/6/2022   | Volatiles Investigating Polar Expansion Rover (VIPER)               | IG-22-010  | 4                  | Update NPR 7120.8 to require major acquisition projects that cost over \$250 million to implement EVM.  | Chief Engineer                   |
| 41      | 4/6/2022   | Volatiles Investigating Polar Expansion Rover (VIPER)               | IG-22-010  | 1                  | Coordinate with the Chief Knowledge Officer to submit and at appropriate intervals document and publish lessons learned associated with using a CLPS provider, particularly on major acquisitions.  | Science                          |
| 42      | 4/7/2022   | NASA's Multi-Mission Program Cost Estimating                        | IG-22-011  | 7                  | Establish procedural requirements for a risk posture analysis to ensure that major programs supporting multiple missions identify and estimate the cost and schedule impact of global and major interdependency risk.   | Chief Engineer                   |
| 43      | 4/7/2022   | NASA's Multi-Mission Program Cost Estimating                        | IG-22-011  | 3                  | Should NASA elect to estimate, track, and report life-cycle costs for major programs or activities that exceed \$250 million by component rather than by mission, include estimates for each component in the MPAR, and provide Congress a cost estimate, outside of the MPAR, for each Artemis mission currently planned, starting no later than Artemis III.                | Chief Financial Officer          |
| 44      | 4/7/2022   | NASA's Multi-Mission Program Cost Estimating                        | IG-22-011  | 4                  | Develop a formal process by which a risk-based probabilistic analysis is conducted to cover the global and interdependency risks of major programs and projects when those individual projects are required for the successful implementation of a mission; regardless of how those programs/ projects are categorized (i.e., tightly coupled, single-project program, etc.). | Chief Financial Officer          |
| 45      | 6/9/2022   | NASA's Management of the Mobile Launcher 2 Contract                 | IG-22-012  | 3                  | To the extent that some or all of the Bechtel contract is converted to a fixed-price contract, ensure that an Independent Government Cost Estimate (IGCE) is established before entering into any new contractual agreements.   | Human Exploration and Operations |
| 46      | 6/9/2022   | NASA's Management of the Mobile Launcher 2 Contract                 | IG-22-012  | 1                  | Evaluate Bechtel's support for the updated estimate of cost and schedule at project completion and finalize negotiations for Bechtel's currently proposed cost increases and NASA's government-driven changes.  | Human Exploration and Operations |
| 47      | 6/9/2022   | NASA's Management of the Mobile Launcher 2 Contract                 | IG-22-012  | 5                  | Issue policy guidance to reinforce current FAR and NASA FAR Supplement regulatory guidance for stopping or withholding payments to a contractor for significant deficiencies in business systems, such as the EVMS.   | Procurement                      |
| 48      | 6/9/2022   | NASA's Management of the Mobile Launcher 2 Contract                 | IG-22-012  | 3                  | To the extent that some or all of the Bechtel contract is converted to a fixed-price contract, ensure that the Critical Design Review has been completed in accordance with NASA's life-cycle policies prior to conversion.   | Human Exploration and Operations |
| 49      | 6/9/2022   | NASA's Management of the Mobile Launcher 2 Contract                 | IG-22-012  | 2                  | Before completing and finalizing the ML-2 project-level ABC, update the JCL analysis to reflect realistic life-cycle cost and schedule estimates to ensure effective budgeting and management of the project.   | Human Exploration and Operations |
| 50      | 6/14/2022  | Management and Resilience of NASA's Earth Science Disasters Program | IG-22-013  | 1                  | Establish and document Program management requirements in a strategic plan and/or NPR 7120.8 project plan format for consistent messaging on ESDP priorities, objectives, and quantifiable performance metrics.   | Science                          |

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| 51      | 6/14/2022  | Management and Resilience of NASA's Earth Science Disasters Program                        | IG-22-013  | 2                  | Perform a funding analysis of ESDP to determine if current resources are adequate to manage, oversee, and administer Program goals and objectives in accordance with its strategic plan and/or project plan.  | Science                                |
| 52      | 6/14/2022  | Management and Resilience of NASA's Earth Science Disasters Program                        | IG-22-013  | 3                  | In accordance with the Stafford Act, coordinate with appropriate NASA offices to develop Memorandums of Understanding (MOUs) that facilitate reimbursement agreements with applicable federal agencies that request Agency support for disaster events.   | Science                                |
| 53      | 6/28/2022  | Audit of NASA's Compliance with the Payment Integrity Information Act for Fiscal year 2021 | IG-22-014  | 3                  | Complete the OMB data call process for all programs with outlays over \$10 million.   | Chief Financial Officer                |
| 54      | 6/28/2022  | Audit of NASA's Compliance with the Payment Integrity Information Act for Fiscal year 2021 | IG-22-014  | 4                  | Ensure that program outlays exclude any transactions that do not meet the outlay definition provided by OMB.  | Chief Financial Officer                |
| 55      | 6/28/2022  | Audit of NASA's Compliance with the Payment Integrity Information Act for Fiscal year 2021 | IG-22-014  | 5                  | Revise the materiality risk calculation methodology and sampling and estimation methodology plan to include payment transactions only.  | Chief Financial Officer                |
| 56      | 6/28/2022  | Audit of NASA's Compliance with the Payment Integrity Information Act for Fiscal year 2021 | IG-22-014  | 7                  | Develop a detailed review process, such as a checklist or job aid, outlining the review procedures performed by the Quality Assurance Division within the reporting process for overpayments from sources other than recapture audits to ensure that the primary reviewer and the supervisory quality control reviewers are performing a thorough review of the aggregated submissions of overpayments. Necessary review steps include ensuring overpayments are not reported twice, capturing issues with overpayments submitted for the incorrect period, and tracking identified and collected portions that occur in different fiscal years for accurate reporting. | Chief Financial Officer                |
| 57      | 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               |
| 58      | 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               |
| 59      | 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               |
| 60      | 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) |
| 61      | 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               |

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| 62      | 8/4/2022   | Ames Lease Management Practices  | IG-22-015  | 9                  | Within the next 3 years, 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   |
| 63      | 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   |
| 64      | 10/5/2022  | Audit of NASA's Compliance with the Geospatial Data Act for Fiscal Year 2022                   | IG-23-001  | 3                  | 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       |
| 65      | 10/5/2022  | Audit of NASA's Compliance with the Geospatial Data Act for Fiscal Year 2022                   | IG-23-001  | 1                  | The role of the SAOGI is strategically positioned within the Agency to have responsibility, accountability, and authority needed to meet GDA-assigned agency responsibilities.  | Chief Information Officer       |
| 66      | 10/5/2022  | Audit of NASA's Compliance with the Geospatial Data Act for Fiscal Year 2022                   | IG-23-001  | 2                  | 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       |
| 67      | 10/5/2022  | Audit of NASA's Compliance with the Geospatial Data Act for Fiscal Year 2022                   | IG-23-001  | 4                  | Continued coordination with NARA to establish the appropriate level of scientific data for inclusion in NARA-approved records schedules.  | Chief Information Officer       |
| 68      | 12/19/2022 | Review of NASA's Space Technology Mission Directorate (STMD) Portfolio                         | IG-23-005  | 3                  | Complete efforts to develop additional outcome-based performance measures based on the transition, advancement, and infusion of technologies.   | Space Technology                |
| 69      | 12/19/2022 | Review of NASA's Space Technology Mission Directorate (STMD) Portfolio                         | IG-23-005  | 1                  | Reexamine its SPAR data system to ensure it provides as accurate and complete a picture of project costs as is practicable.   | Space Technology                |
| 70      | 12/19/2022 | Review of NASA's Space Technology Mission Directorate (STMD) Portfolio                         | IG-23-005  | 2                  | Update its STARPort data system with complete information on project alignment to STAR desired outcomes for all projects active in FY 2021 and beyond.  | Space Technology                |
| 71      | 1/12/2023  | Audit of NASA's Software Asset Management  | IG-23-008  | 1                  | Establish enterprise-wide (institutional and mission) Software Asset Management policy and procedures.  | Chief Information Officer       |
| 72      | 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       |
| 73      | 1/12/2023  | Audit of NASA's Software Asset Management  | IG-23-008  | 7                  | Develop an Agency-wide process for limiting privileged access to computer resources in accordance with the concept of least privilege.  | Chief Information Officer       |
| 74      | 1/12/2023  | Audit of NASA's Software Asset Management  | IG-23-008  | 5                  | Establish a software license awareness training 'short course' focusing on approvals, compliance, and other issues a general user might encounter.  | Chief Information Officer       |
| 75      | 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         |
| 76      | 1/12/2023  | Audit of NASA's Software Asset Management  | IG-23-008  | 6                  | Implement a centralized repository for NASA's internally developed software applications.   | Chief Information Officer       |
| 77      | 1/17/2023  | Review of NASA's Efforts to Partner with International Space Agencies for the Artemis Missions | IG-23-004  | 4                  | Perform a detailed gap analysis and cost estimate for Artemis missions beyond Artemis IV that will help inform a cost-sharing strategy with international partners.   | Exploration Systems Development |
| 78      | 1/17/2023  | Review of NASA's Efforts to Partner with International Space Agencies for the Artemis Missions | IG-23-004  | 1                  | Establish a coordination strategy with NASA's international partners that includes recurring forums specifically for Artemis Accords signatories that are (or are interested in) participating in the Artemis campaign. | Exploration Systems Development |

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| 79      | 1/17/2023  | Review of NASA's Efforts to Partner with International Space Agencies for the Artemis Missions | IG-23-004  | 2                  | Establish NASA-led Artemis campaign boards and working groups for partners with agreed-upon commitments with NASA and provide opportunities for liaison representation from international partner agencies.  | Exploration Systems Development         |
| 80      | 1/17/2023  | Review of NASA's Efforts to Partner with International Space Agencies for the Artemis Missions | IG-23-004  | 9                  | In conjunction with NASA's Mission Directorates and the State Department, execute appropriate Artemis agreements with key international space agency partners to ensure partner roles and responsibilities are clearly understood and allow for efficient and timely partnerships in support of Artemis.             | International and Interagency Relations |
| 81      | 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 |
| 82      | 1/17/2023  | Review of NASA's Efforts to Partner with International Space Agencies for the Artemis Missions | IG-23-004  | 5                  | Establish a full-time export control team dedicated to the various Artemis programs in support of space flight developments.   | Exploration Systems Development         |
| 83      | 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                        |
| 84      | 1/17/2023  | Review of NASA's Efforts to Partner with International Space Agencies for the Artemis Missions | IG-23-004  | 7                  | Establish a full-time export control team dedicated to the Artemis programs in support of space flight operations.   | Space Operations                        |
| 85      | 1/17/2023  | Review of NASA's Efforts to Partner with International Space Agencies for the Artemis Missions | IG-23-004  | 8                  | Coordinate with other federal agencies to gain a unique EAR classification for the Gateway as appropriate.   | International and Interagency Relations |
| 86      | 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                                 |
| 87      | 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                                 |
| 88      | 3/20/2023  | NASA's Management of Radioisotope Power Systems (RPS) Program                                  | IG-23-010  | 3                  | Per Title 51 and NPR 7120.5F, recalculate the life-cycle costs for Next-Gen RTG and DRPS projects to include funding NASA provides to DOE.   | Science                                 |
| 89      | 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                                 |
| 90      | 3/20/2023  | NASA's Management of Radioisotope Power Systems (RPS) Program                                  | IG-23-010  | 5                  | For Next-Gen RTG and DRPS development efforts that transition to a space flight project, execute a JCL analysis at the proper phases in accordance with NPR 7120.5F.   | Science                                 |
| 91      | 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                        |
| 92      | 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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| 93      | 3/20/2023  | NASA's Management of Radioisotope Power Systems (RPS) Program                              | IG-23-010  | 6                  | In coordination with DOE, develop a means for the RPS Program to obtain high-fidelity Pu-238 and fueled clad current and future inventory information.  | Science                                   |
| 94      | 3/20/2023  | NASA's Management of Radioisotope Power Systems (RPS) Program                              | IG-23-010  | 7                  | Develop a means to quantify risk of future Pu-238 and fueled clad availability that can be communicated to NASA mission managers and incorporated into mission development proposals and plans.   | Science                                   |
| 95      | 4/20/2023  | NASA's Efforts to Increase Diversity in Its Workforce                                      | IG-23-011  | 1                  | Ensure hiring and promotion managers across NASA receive appropriate training to increase DEIA awareness on topics such as implicit bias and inclusive leadership.  | Human Capital Management                  |
| 96      | 4/20/2023  | NASA's Efforts to Increase Diversity in Its Workforce                                      | IG-23-011  | 2                  | Ensure leadership-related professional development courses and detail assignments are widely available to prepare a more diverse cohort of employees for promotional opportunities.   | Human Capital Management                  |
| 97      | 4/20/2023  | NASA's Efforts to Increase Diversity in Its Workforce                                      | IG-23-011  | 3                  | Establish a comprehensive Agency-wide mentoring program for both mid-level (GS-11, GS-12, and GS-13) and senior level employees at all NASA Centers.  | Human Capital Management                  |
| 98      | 4/20/2023  | NASA's Efforts to Increase Diversity in Its Workforce                                      | IG-23-011  | 4                  | Conduct a barrier analysis to identify obstacles restricting women and minorities from senior management positions and develop a plan to address and eliminate these obstacles.   | Office of Diversity and Equal Opportunity |
| 99      | 4/20/2023  | NASA's Efforts to Increase Diversity in Its Workforce                                      | IG-23-011  | 5                  | Develop a plan that consistently utilizes ERGs to conduct supplemental recruiting activities.   | Office of Diversity and Equal Opportunity |
| 100     | 4/20/2023  | NASA's Efforts to Increase Diversity in Its Workforce                                      | IG-23-011  | 6                  | Conduct an analysis of all applicant data (similar to interns), including veterans, to better understand hiring trends and outcomes.  | Human Capital Management                  |
| 101     | 4/20/2023  | NASA's Efforts to Increase Diversity in Its Workforce                                      | IG-23-011  | 7                  | Designate an official or organization to oversee coordination between the stakeholders (OCIO, ODEO, and OCHCO) to develop a sustainable operation and funding structure for the EDP.  | Office of the Administrator               |
| 102     | 5/3/2023   | Audit of NASA's Management of its Artificial Intelligence Capabilities                     | IG-23-012  | 1                  | Establish a standardized definition for AI within the Agency, to include harmonizing the definitions in the NASA Framework for the Ethical Use of Artificial Intelligence (AI), NASA's Responsible AI Plan, and NASA AIML SharePoint.   | Chief Information Officer                 |
| 103     | 5/3/2023   | Audit of NASA's Management of its Artificial Intelligence Capabilities                     | IG-23-012  | 2                  | Ensure the standardized AI definition is used to identify, update, and maintain the Agency's AI use case inventory.   | Chief Information Officer                 |
| 104     | 5/3/2023   | Audit of NASA's Management of its Artificial Intelligence Capabilities                     | IG-23-012  | 4                  | Develop a method to track budgets and expenditures for AI use case inventory.   | Chief Information Officer                 |
| 105     | 5/16/2023  | Audit of NASA's Compliance with the Payment Integrity Information Act for Fiscal Year 2022 | IG-23-013  | 1                  | Enhance the NASA PIIA: Risk Assessment Methodology document by including detailed information and job aids, such as a checklist, and outlining the review procedures to ensure that a thorough review of the risk assessment ratings is performed before approving the risk assessment. The review procedures should include steps to verify that risk factor question ratings are accurate and that risk condition-level ratings correspond to their underlying risk factor ratings. | Chief Financial Officer                   |
| 106     | 5/17/2023  | ARMD's Efforts on Electrified Aircraft Propulsion Research and Development                 | IG-23-014  | 1                  | Coordinate with Agency JCL experts in addressing estimation challenges relative to X-plane development and lower TRL efforts and adjust risk analyses accordingly to derive higher probability/confidence cost and schedule estimates.  | Aeronautics Research                      |

| Row No. | Issue Date | Report Title   | Report No. | Recommendation No. | Recommendation   | Responsible Office              |
|---------|------------|--|------------|--------------------|--|---------------------------------|
| 107     | 5/17/2023  | ARMD's Efforts on Electrified Aircraft Propulsion Research and Development | IG-23-014  | 2                  | Re-evaluate ARMD's planning and support of the U.S. 2021 Aviation Climate Action Plan priorities and commit project resources and funding accordingly to minimize funding instabilities for these efforts.   | Aeronautics Research            |
| 108     | 5/25/2023  | NASA's Management of the Space Launch System Booster and Engine Contracts  | IG-23-015  | 6                  | Conduct a thorough review of BPOC's scope of work and technical requirements needed to complete the respective periods of performance and update the contract as appropriate.  | Exploration Systems Development |
| 109     | 5/25/2023  | NASA's Management of the Space Launch System Booster and Engine Contracts  | IG-23-015  | 2                  | Coordinate with the Marshall procurement office to identify procurement needs and resources available under MAP to address staff capacity shortages at the senior procurement level to ensure sufficient oversight roles are staffed and separated from the contract actions.  | Exploration Systems Development |
| 110     | 5/25/2023  | NASA's Management of the Space Launch System Booster and Engine Contracts  | IG-23-015  | 3                  | Ensure Marshall procurement, legal, project planning and control, and SLS and booster program officials comply with best practices for establishing and maintaining internal controls, specifically on the appropriate process and procedures on REAs, fiscal law, and appropriate internal and external engagement. | Exploration Systems Development |
| 111     | 5/25/2023  | NASA's Management of the Space Launch System Booster and Engine Contracts  | IG-23-015  | 4                  | Ensure Elements and procurement management comply with appropriate separation of roles and responsibilities for program and procurement actions and the FAR with respect to use of letter contracts, proper definitization, overpayments, and duplicative payments of award fees for modified scope and contracts.   | Exploration Systems Development |
| 112     | 5/25/2023  | NASA's Management of the Space Launch System Booster and Engine Contracts  | IG-23-015  | 7                  | Conduct a thorough review of BPOC's definitization to ensure proper liquidation of funds paid under the letter contract as progress payments are returned to the Agency and are appropriately paid when the performance of the work, per the contract, is completed.   | Exploration Systems Development |
| 113     | 5/25/2023  | NASA's Management of the Space Launch System Booster and Engine Contracts  | IG-23-015  | 8                  | Develop a separate non-fee bearing contract line item for completion of the 11 unfinished heritage RS-25 adaptation engines.   | Exploration Systems Development |
| 114     | 5/25/2023  | NASA's Management of the Space Launch System Booster and Engine Contracts  | IG-23-015  | 5                  | Update RS-25 production per engine cost estimate to include investment costs in restart facilities, equipment, new production overhead costs, and government-funded property.  | Exploration Systems Development |
| 115     | 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                |
| 116     | 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                |
| 117     | 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                |
| 118     | 7/12/2023  | Audit of NASA's Deep Space Network   | IG-23-016  | 4                  | Explore options for utilizing commercial and international partners networks to offload excess demand from the DSN and to serve as backups in the event of network overages or outages.  | Space Operations                |
| 119     | 8/17/2023  | Evaluation of NASA's Information Security Program under FISMA for FY 2023  | IG-23-017  | 27                 | Ensure that each information system owner of external systems has a current ISA that defines how each entity will manage, operate, use, and secure the interconnection.  | Chief Information Officer       |
| 120     | 8/17/2023  | Evaluation of NASA's Information Security Program under FISMA for FY 2023  | IG-23-017  | 21                 | Design and implement the necessary entity-wide oversight, enforcement mechanisms, and controls to ensure all system-level BIAs are accurate and reviewed annually.   | Chief Information Officer       |

| Row No. | Issue Date | Report Title  | Report No. | Recommendation No. | Recommendation   | Responsible Office        |
|---------|------------|---|------------|--------------------|--|---------------------------|
| 121     | 8/17/2023  | Evaluation of NASA's Information Security Program under FISMA for FY 2023 | IG-23-017  | 22                 | Review all information systems to determine if a BIA has been performed in accordance with NASA policy.  | Chief Information Officer |
| 122     | 8/17/2023  | Evaluation of NASA's Information Security Program under FISMA for FY 2023 | IG-23-017  | 23                 | Ensure each information system owner of the systems selected for testing performs and completes a system-level BIA.  | Chief Information Officer |
| 123     | 8/17/2023  | Evaluation of NASA's Information Security Program under FISMA for FY 2023 | IG-23-017  | 24                 | Implement the necessary oversight to monitor RISCs for delinquent testing of contingency plans.  | Chief Information Officer |
| 124     | 8/17/2023  | Evaluation of NASA's Information Security Program under FISMA for FY 2023 | IG-23-017  | 25                 | Ensure each information system owner of the systems selected for testing conducts a test of its contingency plan annually.   | Chief Information Officer |
| 125     | 8/17/2023  | Evaluation of NASA's Information Security Program under FISMA for FY 2023 | IG-23-017  | 26                 | Ensure each information system owner of the systems selected for testing confirms the adequacy of its recovery procedures and the plan's overall effectiveness.  | Chief Information Officer |
| 126     | 8/17/2023  | Evaluation of NASA's Information Security Program under FISMA for FY 2023 | IG-23-017  | 5                  | Continue its efforts to develop and implement the necessary entity-wide oversight policy and procedures to monitor risk through a risk register and a risk profile that provide enterprise-wide metrics to inform top management of its Information Technology (IT) risks.                     | Chief Information Officer |
| 127     | 8/17/2023  | Evaluation of NASA's Information Security Program under FISMA for FY 2023 | IG-23-017  | 4                  | Continue its efforts in developing policies, procedures, and processes for risk framing, risk response, and risk monitoring.   | Chief Information Officer |
| 128     | 8/17/2023  | Evaluation of NASA's Information Security Program under FISMA for FY 2023 | IG-23-017  | 2                  | Ensure the information system owner of the systems selected for testing perform a system inventory of software assets and licenses used within the system boundaries and updates RISCs as necessary.   | Chief Information Officer |
| 129     | 8/17/2023  | Evaluation of NASA's Information Security Program under FISMA for FY 2023 | IG-23-017  | 3                  | Implement necessary oversight to monitor RISCs for accuracy and completeness of software and license information.  | Chief Information Officer |
| 130     | 8/17/2023  | Evaluation of NASA's Information Security Program under FISMA for FY 2023 | IG-23-017  | 10                 | Continue developing and implementing plans to integrate its C-SCRM controls and processes across the three Agency levels.  | Chief Information Officer |
| 131     | 8/17/2023  | Evaluation of NASA's Information Security Program under FISMA for FY 2023 | IG-23-017  | 9                  | Incorporate supplier risk evaluations into its continuous monitoring practices.  | Chief Information Officer |
| 132     | 8/17/2023  | Evaluation of NASA's Information Security Program under FISMA for FY 2023 | IG-23-017  | 17                 | Implement the necessary oversight to monitor RISCs for delinquent or invalid ATOs and SARs so that RISCs provides sufficient information to determine NASA's risk exposure.  | Chief Information Officer |
| 133     | 8/17/2023  | Evaluation of NASA's Information Security Program under FISMA for FY 2023 | IG-23-017  | 18                 | Ensure ATOs and SARs are properly completed for the systems selected for testing.  | Chief Information Officer |
| 134     | 8/17/2023  | Evaluation of NASA's Information Security Program under FISMA for FY 2023 | IG-23-017  | 19                 | Ensure each information system owner of the systems selected for testing (1) updates the SSP to specify the specific application associated with the implementation statement for each NIST SP 800-53 Revision 5 control, and (2) has the system controls assessed by an independent assessor. | Chief Information Officer |
| 135     | 8/17/2023  | Evaluation of NASA's Information Security Program under FISMA for FY 2023 | IG-23-017  | 20                 | Continue its 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 |
| 136     | 8/17/2023  | Evaluation of NASA's Information Security Program under FISMA for FY 2023 | IG-23-017  | 8                  | Revise its 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 |

| Row No. | Issue Date | Report Title  | Report No. | Recommendation No. | Recommendation  | Responsible Office        |
|---------|------------|---|------------|--------------------|---|---------------------------|
| 137     | 8/17/2023  | Evaluation of NASA's Information Security Program under FISMA for FY 2023 | IG-23-017  | 1                  | Implement necessary oversight to monitor RISCS for accuracy and completeness, so RISCS provides sufficient support for decision-making and determining compliance with federal requirements.  | Chief Information Officer |
| 138     | 8/17/2023  | Evaluation of NASA's Information Security Program under FISMA for FY 2023 | IG-23-017  | 12                 | Continue the ongoing effort to enforce mandatory multifactor authentication using a NASA identity-based account and token from Agency ICAM service offerings (i.e., NASA PIV, Agency Smart Badge) for all information systems in NASA's environment.  | Chief Information Officer |
| 139     | 8/17/2023  | Evaluation of NASA's Information Security Program under FISMA for FY 2023 | IG-23-017  | 13                 | Ensure each information system owner of the systems selected for testing implements multifactor authentication for its non-privileged users.  | Chief Information Officer |
| 140     | 8/17/2023  | Evaluation of NASA's Information Security Program under FISMA for FY 2023 | IG-23-017  | 11                 | Continue to 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 |
| 141     | 8/17/2023  | Evaluation of NASA's Information Security Program under FISMA for FY 2023 | IG-23-017  | 14                 | Develop and implement an ISCM Strategy in accordance with OMB Circular No. A-130, Managing Information as a Strategic Resource, and NIST SP 800-137A, Assessing Information Security Continuous Monitoring (ISCM) Programs: Developing an ISCM Program Assessment, including defining metrics, status monitoring frequencies, and control assessment frequencies. | Chief Information Officer |
| 142     | 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 |
| 143     | 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 |
| 144     | 8/17/2023  | Evaluation of NASA's Information Security Program under FISMA for FY 2023 | IG-23-017  | 6                  | Implement the necessary oversight of RISCS to ensure that ISOs take action to review, update, and approve POA&Ms and RBDs, as necessary, before they become delinquent, taking into consideration the length of time required to obtain necessary approvals, and update RISCS.  | Chief Information Officer |
| 145     | 8/17/2023  | Evaluation of NASA's Information Security Program under FISMA for FY 2023 | IG-23-017  | 7                  | Ensure the system owners of the systems selected for testing address past due POA&Ms and RBDs.  | Chief Information Officer |
| 146     | 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                   |
| 147     | 9/5/2023   | Management of NASA's Earth System Science Pathfinder Program              | IG-23-018  | 3                  | Reissue and require SMD stakeholders to follow the tenets of the 2017 decision memorandum on Class D missions (Class D Tailoring/Streamlining Decision Memorandum, December 7, 2017).   | Science                   |
| 148     | 9/5/2023   | Management of NASA's Earth System Science Pathfinder Program              | IG-23-018  | 4                  | In collaboration with NASA's Launch Service Program, develop a process to engage early and evaluate alternative launch options in the event that ESSP project encounters access to space issues.  | Science                   |
| 149     | 9/5/2023   | Management of NASA's Earth System Science Pathfinder Program              | IG-23-018  | 5                  | Conduct a lessons learned review of the GeoCarb mission to identify what NASA, PI, and contractor practices and activities should be revised and applied to the management of future Earth Venture Class projects.  | Science                   |

| Row No. | Issue Date | Report Title  | Report No.       | Recommendation No. | Recommendation   | Responsible Office                  |
|---------|------------|---|------------------|--------------------|--|-------------------------------------|
| 150     | 9/5/2023   | Management of NASA's Earth System Science Pathfinder Program              | IG-23-018        | 6                  | Develop a plan to provide principal investigators (PIs) and their teams with contract and project management training post-selection approval to better equip them to manage subcontractors. | Science                             |
| 151     | 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                             |
| 152     | 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                             |
| 153     | 10/4/2023  | NASA's On-Orbit Servicing, Assembly, and Manufacturing-1 Mission (OSAM-1) | IG-24-002        | 1                  | Recoup the costs of the labor and services (supplemental work) provided by NASA to Maxar to complete the work on the spacecraft bus contract.  | Space Technology                    |
| 154     | 10/4/2023  | NASA's On-Orbit Servicing, Assembly, and Manufacturing-1 Mission (OSAM-1) | IG-24-002        | 2                  | Ensure all work is contractually agreed upon and integrated into the contract SOW, and all changes are appropriately reflected in the SOW with adjustments to the contract value.            | Space Technology                    |
| 155     | 10/4/2023  | NASA's On-Orbit Servicing, Assembly, and Manufacturing-1 Mission (OSAM-1) | IG-24-002        | 3                  | Issue guidance that contracting officials, as part of acquisition strategy planning, consider incorporating award or incentive fees into future fixed price development contracts.           | Procurement                         |
| 156     | 10/12/2023 | Artemis IV and Beyond   | IG-24-001 - EPOC | 1                  | Establish achievable cost saving metrics beginning with Artemis IV SLS elements and production contracts.  | Human Exploration and Operations    |
| 157     | 10/12/2023 | Artemis IV and Beyond   | IG-24-001 - EPOC | 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    |
| 158     | 10/12/2023 | Artemis IV and Beyond   | IG-24-001 - EPOC | 5                  | Include contract flexibility on future SLS acquisitions that will allow NASA to pivot to other commercial alternatives.  | Human Exploration and Operations    |
| 159     | 10/12/2023 | Artemis IV and Beyond   | IG-24-001 - EPOC | 6                  | For each Artemis SLS rocket under EPOC, add compensation to the DST contract such as incentive fees for when the contractor achieves specific cost saving goals.                             | Human Exploration and Operations    |
| 160     | 10/12/2023 | Artemis IV and Beyond   | IG-24-001 - EPOC | 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    |
| 161     | 10/12/2023 | Artemis IV and Beyond   | IG-24-001 - EPOC | 3                  | If keeping contracts as cost-plus-award-fee, increase the percentage of cost as a factor when conducting contractor evaluations for award fee purposes.                                      | Human Exploration and Operations    |
| 162     | 10/12/2023 | Artemis IV and Beyond   | IG-24-001 - EPOC | 7                  | Ensure Government Mandatory Inspection Points and government oversight teams remain throughout the EPOC transition period.   | Chief, Safety and Mission Assurance |
| 163     | 10/19/2023 | NASA's Management of the Artemis Program's Supply Chain                   | IG-24-003        | 4                  | Centralize supply chain management for the Artemis campaign within the Moon to Mars Program Office.  | Exploration Systems Development     |
| 164     | 10/19/2023 | NASA's Management of the Artemis Program's Supply Chain                   | IG-24-003        | 1                  | Establish a charter for the existing Supply Chain Resiliency Forum, to include representation from the Moon to Mars Program Office and major Artemis prime contractors.                      | Exploration Systems Development     |
| 165     | 10/19/2023 | NASA's Management of the Artemis Program's Supply Chain                   | IG-24-003        | 2                  | Complete the Supply Chain Visibility Data Requirement Description effort to gain supplier data from contractors.   | Procurement                         |

| Row No. | Issue Date | Report Title  | Report No. | Recommendation No. | Recommendation   | Responsible Office              |
|---------|------------|---|------------|--------------------|--|---------------------------------|
| 166     | 10/19/2023 | NASA's Management of the Artemis Program's Supply Chain | IG-24-003  | 5                  | Ensure data is regularly entered into a supplier database (e.g., Insight Central) to track supplier data and ongoing challenges.   | Exploration Systems Development |
| 167     | 10/19/2023 | NASA's Management of the Artemis Program's Supply Chain | IG-24-003  | 3                  | Provide training to Contracting Officers on FAR Subpart 44.2 - Consent to Subcontracts, so that the Contracting Officers will utilize available supplier data to determine whether the contractor should enter a contract with a particular subcontractor. | Procurement                     |
| 168     | 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 |
| 169     | 10/19/2023 | NASA's Management of the Artemis Program's Supply Chain | IG-24-003  | 7                  | Ensure an Artemis-specific study of the Agency's industrial base and supply chain is completed on a recurring basis.   | Exploration Systems Development |

**Note: This table omits 29 recommendations that NASA determined to be classified or sensitive and are therefore unsuitable for public release.**

## RECENTLY CLOSED RECOMMENDATIONS

There were no recently closed recommendations this month.