
NATIONAL AERONAUTICS AND SPACE ADMINISTRATION

REPORT
PURSUANT TO
GOOD ACCOUNTING OBLIGATION IN GOVERNMENT ACT OF 2019
(P.L. 115-414)

As of January 31, 2022

NASA'S REQUIRED REPORTING UNDER THE GOOD ACCOUNTING OBLIGATION IN GOVERNMENT ACT (P.L. 115-414)

Background

In 2019, the President signed into law the “Good Accounting Obligation in Government Act” (the Act). The Act was envisioned to improve transparency into long-standing audit recommendations issued by the Government Accountability Office (GAO) and federal Office of Inspectors General (OIG). By requiring agency reporting on the lack of progress towards implementation, the Congress postulated that Federal agencies would be held more accountable and that the public can more readily assess agency funding requests in light of unfulfilled efficiency improvements that could potentially yield cost savings.

Section 2 of the Act imposes an affirmative requirement on Federal agencies to submit an annual report on publicly issued GAO and OIG recommendations classified as “open” for more than one year from the date of the annual budget justification submission. Additionally, the Act also requires that agencies report on publicly issued GAO recommendations which were determined to “closed but not implemented.” For both categories of recommendations -- open, and closed but not implemented – Federal agencies are required to provide an explanation as to why final management action¹ has not yet been completed. Finally, the Act also requires agencies perform a reconciliation of discrepancies between recommendations reported by GAO and OIGs, and Federal agencies.

Reporting Methodology and Report Structure

This report includes GAO and OIG recommendations November 19, 2012 to January 27, 2021 that remained unimplemented for one year or more from the planned fiscal year 2022 budget justifications submission date.

The report has four parts:

Appendix A: A report listing GAO recommendations and their implementation status.

Appendix B: A report listing OIG recommendations and their implementation status

Appendix C: A reconciliation of this report and the OIG’s Semi-Annual Report

Appendix D: A listing of acronyms used throughout this report

For purposes of NASA’s FY2022 reporting under the Act, the following definitions are provided in order to enhance the utility and readability of this report:

¹ Final Management Action: The completion of all actions that the management of an establishment has concluded, in its management decision, are necessary with respect to the findings and recommendations included in an audit report; or, in the event that the management of an establishment concludes no action is necessary, final action occurs when a management decision has been made. Source: *Inspector General Act of 1978 (as amended)*.

- **Open:** Final management action is pending/in-progress (includes recommendations for which final management action has been completed, but auditor verification/validation is pending/in-progress)
- **Closed:** Final management action and corresponding auditor verification/validation completed
- **Closed/Not Implemented:** Recommendation has been closed, however final management action has been partially completed, not completed, or action(s) not recommended have been taken. (Applicable only to GAO recommendations).

Appendix A: GAO Recommendations and Implementation Status

Report Number	Report Date	Report Title	Responsible Org Name	Recom. Number	Recom. Description	Implementation Status:
GAO1322	11/19/2012	Earned Value Management Implementation Across Major Spaceflight Projects Is Uneven	Chief Financial Officer	4	(Pri Rec) To improve the reliability of project EVM data, NPR 7120.5 should be modified to require projects to implement a formal surveillance program that: a. Ensures anomalies in contractor-delivered monthly earned value management reports are identified and explained, and report periodically to the mission directorate's leadership on relevant trends in the number of unexplained anomalies. b. Ensures consistent use of WBSs for both the EVM report and the schedule. c. Ensures that lower level EVM data reconcile to project level EVM data using the same WBS structure. d. Improves underlying schedules so that they are properly sequenced using predecessor and successor dependencies and are free of constraints to the extent practicable so that the EVM baseline is reliable.	NASA Action Completed. GAO review of corrective actions for closure is pending.
GAO1465	11/6/2013	Information Technology: Additional OMB and Agency Actions Are Needed to Achieve Portfolio Savings	Chief Information Officer	1	Reflect 100 percent of information technology investments in the agency's enterprise architecture. (Report #35)	NASA Action Completed. GAO review of corrective actions for closure is pending.
GAO14385	5/8/2014	NASA Actions Need to Improve Transparency and Assess Long-Term Affordability of Human Exploration Programs	Human Exploration and Operations Directorate	1	(Pri Rec) Establish a separate cost and schedule baseline for work required to support the SLS Block 1 EM-2 and report this information to the Congress through NASA's annual budget submission. If NASA decides to fly the SLS Block 1 beyond EM-2, establish separate life cycle cost and schedule baseline estimates for those efforts, to include funding for operations and sustainment, and report this information annually to Congress via the agency's budget submission.	Anticipated completion date: 04-29-2022
GAO14385	5/8/2014	NASA Actions Need to Improve Transparency and Assess Long-Term Affordability of Human Exploration Programs	Human Exploration and Operations Directorate	2	(Pri Rec) Because NASA intends to use increased capabilities of the SLS, Orion and GSDO efforts well into the future and has chosen to estimate costs associated with achieving capabilities, establish separate cost and schedule baselines for each additional capability that encompass all life cycle costs, to include operations and sustainment. When NASA cannot fully specify costs due to lack of well-defined missions or flight manifests, forecast a cost estimate range – including life cycle costs – having minimum and maximum boundaries. These baselines or ranges should be reported to Congress annually via the agency's budget submission.	Anticipated completion date: 04-29-2022
GAO14631	7/23/2014	SPACE LAUNCH SYSTEM: Resources Need to be Matched to Requirements to Decrease Risk and Support Long Term Affordability	Human Exploration and Operations Directorate	2	(Pri Rec) To provide decisionmakers with an informed basis for making investment decisions regarding the SLS program, NASA should identify a range of possible missions for each future SLS variant that includes cost and schedule estimates and plans for how those possible missions would fit within NASA's funding profile.	Anticipated completion date: 04-29-2022
GAO14631	7/23/2014	SPACE LAUNCH SYSTEM: Resources Need to be Matched to Requirements to Decrease Risk and Support Long Term Affordability	Human Exploration and Operations Directorate	3	(Pri Rec) To allow for a continued assessment of progress and affordability, NASA should structure each future increment of SLS capability with a total cost exceeding the \$250 million threshold for designation as a major project as a separate development project within the SLS program.	Anticipated completion date: 04-29-2022
GAO15431	5/21/2015	Telecommunications: Agencies Need Better Controls to Achieve Significant Savings on Mobile Devices and Services	Chief Information Officer	2	A reliable inventory of mobile service contracts is developed and maintained. Report recommendation #29	NASA Action Completed. GAO review of corrective actions for closure is pending.
GAO15431	5/21/2015	Telecommunications: Agencies Need Better Controls to Achieve Significant Savings on Mobile Devices and Services	Chief Information Officer	1	Ensure a complete inventory of mobile devices and associated services is established. Report recommendation #28	NASA Action Completed. GAO review of corrective actions for closure is pending.
GAO15431	5/21/2015	Telecommunications: Agencies Need Better Controls to Achieve Significant Savings on Mobile Devices and Services	Chief Information Officer	3	Procedures to monitor and control spending are established agencywide. Specifically, ensure that: procedures include assessing devices for zero, under, and over usage; personnel with authority and responsibility for performing the procedures are identified; and the specific steps to be taken to perform the process are documented. Report recommendation #30	NASA Action Completed. GAO review of corrective actions for closure is pending.
GAO16620	7/27/2016	ORION MULTI-PURPOSE CREW VEHICLE: Action Needed to Improve Viability into Cost Schedule, and Capacity to Resolve Technical Challenges	Human Exploration and Operations Directorate	1	(Pri Rec) To provide the Congress and NASA a reliable estimate of program cost and schedule that are useful to support management and stakeholder decisions, GAO recommends the NASA Administrator direct the Orion program to perform an updated JCL analysis including updating cost and schedule estimates in adherence with cost and schedule estimating best practices.	Anticipated completion date: 08-30-2022
GAO16686	9/15/2016	Federal Chief Information Officers: Opportunities Exist to Improve Roles and Address Challenges to Authority	Chief Information Officer	1	Define the Senior Agency Information Security Officer (SAISO) role in agency policy of contractor oversight system security for information systems that are operated by contractors on the Agency's behalf.	NASA Action Completed. GAO review of corrective actions for closure is pending.
GAO1842	1/10/2018	Information Technology: Agencies Need to Involve Chief Information Officers in Reviewing Billions of Dollars in Acquisitions	Chief Information Officer	3	The Administrator of NASA should ensure that IT acquisition plans or strategies are reviewed and approved according to OMB guidance (Report Rec 32).	NASA Action Completed. GAO review of corrective actions for closure is pending.

Report Number	Report Date	Report Title	Responsible Org Name	Recom. Number	Recom. Description	Implementation Status:
GAO18337	5/22/2018	NASA Information Technology: Urgent Action Needed to Address Significant Management and Cybersecurity Weaknesses	Chief Information Officer	3	(INITIAL NASA NONCONCUR) The Administrator should direct the Chief Information Officer address, in conjunction with the Chief Human Capital Officer, gaps in IT workforce planning by fully implementing the eight key IT workforce planning activities noted in this report.	Non-Concur. NASA non-concurred with GAO's recommendation. NASA is conducting a comprehensive, Agency-wide assessment that is designed to ensure that NASA resources are optimally structured to achieve the NASA mission. The first piece of this assessment is the Mission Support Future Architecture Program which aims at re-aligning mission support functions from a decentralized model to an enterprise model. The OCIO is in the beginning phases of this realignment with estimated completion in FY22. Additionally, the 2018 Strategic Workforce Planning (SWP) project directed the creation of an Agency Workforce Master Plan that: a) Estimates workforce needs five plus years into the future and defines the size and composition of the NASA workforce needed to meet future mission requirements; b) Includes civil service, contractors, and other workforce segments; c) Includes both mission direct and mission support workforce; and e) Considers external changes, program lifecycle evolution (e.g., future of ISS, Gateway etc.), current Agency demographics, and other environmental or internally-driven factors (e.g. MAP) that impact the workforce. The data collection phase of the SWP project has been completed and the Agency is currently analyzing the data to glean insights and make recommendations. Final Action.
GAO18337	5/22/2018	NASA Information Technology: Urgent Action Needed to Address Significant Management and Cybersecurity Weaknesses	Chief Information Officer	6	The Administrator should direct the Chief Information Officer to address weaknesses in oversight practices and ensure routine oversight of all investments by taking action to document criteria for escalating investments among governance boards and establish procedures for tracking corrective actions for underperforming investments.	NASA Action Completed. GAO review of corrective actions for closure is pending.
GAO18337	5/22/2018	NASA Information Technology: Urgent Action Needed to Address Significant Management and Cybersecurity Weaknesses	Chief Information Officer	8	The Administrator should direct the Chief Information Officer to establish an agency-wide approach to managing cybersecurity risk that includes a cybersecurity strategy that, among other things, makes explicit the agency's risk tolerance, accepted risk assessment methodologies, a process for consistently evaluating risk across the organization, response strategies and approaches for monitoring risk over time, and priorities for risk management investments.	Anticipated completion date: 12/30/2022
GAO18337	5/22/2018	NASA Information Technology: Urgent Action Needed to Address Significant Management and Cybersecurity Weaknesses	Chief Information Officer	10	The Administrator should direct the Chief Information Officer to establish an agency-wide approach to managing cybersecurity risk that includes policies and procedures with well-defined roles and responsibilities that are integrated and reflect NASA's current security practices and operating environment.	Anticipated completion date: 12/30/2022
GAO18466	6/14/2018	Cybersecurity Workforce: Agencies Need to Improve Baseline Assessments and Procedures for Coding Positions	Office of Chief Human Capital Officer	1	(INITIAL NASA NONCONCUR) The Administrator of the National Aeronautics and Space Administration should evaluate the level of preparedness for cybersecurity personnel not currently holding professional certifications to take certification exams and report this information to Congress (Report Rec 16).	Non-Concur. NASA non-concurred with GAO's recommendation, citing the fact that there is currently no federal or Agency requirement for employees in cybersecurity positions to hold and/or maintain a professional certification. Without this requirement, there is no plan to assess readiness of cybersecurity personnel to take certification exams. NASA provided the initial assessment to Congress in December 2016 and does not plan to repeat the assessment at this time. Final Action.
GAO18476	7/11/2018	NASA COMMERCIAL CREW PROGRAM: Plan Needed to Ensure Uninterrupted Access to the International Space Station	Human Exploration and Operations Directorate	4	After completing the agency certification review, NASA Chief Engineer and Chief Safety and Mission Assurance, with support from the the NASA Associate Administrator for Human Exploration and Operation and the Commercial Crew Program Manager, should document lessons learned related to loss of crew as a safety threshold for future crewed spaceflight missions, given the complexity of the metric.	Anticipated completion date: 05-31-2022
GAO1893	8/2/2018	Federal Chief Information Officers: Critical Actions Needed to Address Shortcomings and Challenges in Implementing Responsibilities	Chief Information Officer	1	The Administrator of the National Aeronautics Space Administration should ensure that the department's IT management policies address the role of the CIO for key responsibilities in the 6 areas GAO identified (Report Rec 21).	Anticipated completion date: 01-31-2022
GAO19144	3/12/2019	Cybersecurity Workforce: Agencies Need to Accurately Categorize Positions to Effectively Identify Critical Staffing Needs	Office of Chief Human Capital Officer	2	(Pri Rec) Take steps to review the assignment of the "000" code to any positions in the 2210 IT management occupation series, assign the appropriate NICE framework work role codes and assess the accuracy of the position descriptions (Report Rec 24).	NASA Action Completed. GAO review of corrective actions for closure is pending.
GAO19265	4/4/2019	Scientific Integrity Policies: Additional Actions Could Strengthen Integrity of Federal Research	Chief Scientist	1	The Administrator of NASA should develop documented procedures for identifying and addressing alleged violations of its scientific integrity policy (Report Rec 10).	NASA Action Completed. GAO review of corrective actions for closure is pending.
GAO19377	6/19/2019	NASA Human Space Exploration: Persistent Delays and Cost Growth Reinforce Concerns Over Management of Programs	Human Exploration and Operations Directorate	3	The NASA Associate Administrator for Human Exploration and Operations direct the EGS program to demonstrate design maturity by completing 3D product modeling of the basic and functional design of the second Mobile Launcher prior to construction start.	NASA Action Completed. GAO review of corrective actions for closure is pending.
GAO19377	6/19/2019	NASA Human Space Exploration: Persistent Delays and Cost Growth Reinforce Concerns Over Management of Programs	Human Exploration and Operations Directorate	4	Ensure that the AA/HEOMD direct the SLS and Orion programs to reevaluate their strategies for incentivizing contractors and determine whether they could more effectively incentivize contractors to achieve the outcomes intended as part of ongoing and planned contract negotiations.	Anticipated completion date: 6/29/2022
GAO19384	7/25/2019	Cybersecurity: Agencies Need to Fully Establish Risk Management Programs and Address Challenges	Chief Information Officer	1	Update the agency's policies to address an organization-wide risk assessment and the use of risk assessments to inform plan of action and milestones (POA&M) prioritization. (Recommendation #46 in the GAO final report)	NASA Action Completed. GAO review of corrective actions for closure is pending.
GAO19384	7/25/2019	Cybersecurity: Agencies Need to Fully Establish Risk Management Programs and Address Challenges	Chief Information Officer	2	(Pri Rec) Establish a process for conducting an organization-wide cybersecurity risk assessment. (Report Rec. 47)	NASA Action Completed. GAO review of corrective actions for closure is pending.

Report Number	Report Date	Report Title	Responsible Org Name	Recom. Number	Recom. Description	Implementation Status:
GAO2068	12/19/2019	NASA Lunar Programs: Opportunities Exist to Strengthen Analyses and Plans for Moon Landing	Human Exploration and Operations Directorate	2	Ensure that the NASA Associate Administrator for Human Exploration and Operations directs the Gateway program to conduct a joint cost and schedule and confidence level at the program level for the Artemis III mission	Anticipated completion date: 04-29-2022
GAO2068	12/19/2019	NASA Lunar Programs: Opportunities Exist to Strengthen Analyses and Plans for Moon Landing	Human Exploration and Operations Directorate	3	Ensure that the NASA Associate for Human Exploration and Operations directs the Gateway program to update its overall schedule for 2024 and add a KDP II before system integration.	Anticipated completion date: 04-29-2022
GAO2068	12/19/2019	NASA Lunar Programs: Opportunities Exist to Strengthen Analyses and Plans for Moon Landing	Human Exploration and Operations Directorate	4	(Pri Rec) Ensure that the NASA Associate Administrator for Human Exploration and Operations creates a life-cycle cost estimate for the Artemis III mission.	Anticipated completion date: 08-31-2022
GAO2068	12/19/2019	NASA Lunar Programs: Opportunities Exist to Strengthen Analyses and Plans for Moon Landing	Human Exploration and Operations Directorate	5	Ensure that the NASA Associate Administrator for Human Exploration and Operations direct the Advanced Exploration Systems division to commit to a completion date and finalize a cohesive document outlining the rationale for selecting its current lunar architecture and lunar programs.	NASA Action Completed. GAO review of corrective actions for closure is pending.
GAO2068	12/19/2019	NASA Lunar Programs: Opportunities Exist to Strengthen Analyses and Plans for Moon Landing	Chief Engineer	6	Ensure that the Office of Chief Engineer determine under what conditions it is appropriate to complete an analysis of alternatives, particularly when there are multiple pathways - including architectures or programs -that NASA could pursue in the future , and document the justification for not completing an analysis.	Anticipated completion date: 03-31-2022
GAO2059	3/30/2020	Information Management: Selected Agencies Need to Improve Adherence to Federal Electronic Recordkeeping Requirements	Chief Information Officer	1	(Pri Rec) Establish a time frame to develop an inventory of electronic information systems used to store Agency records that includes all of the required elements (Report Rec. 17)	NASA Action Completed. GAO review of corrective actions for closure is pending.
GAO20155	4/7/2020	Telecommunications: Agencies Should Fully Implement Established Transition Planning Practices to Help Reduce Risk of Costly Delays	Chief Information Officer	1	The CIO should update the telecommunications inventory to include all telecommunications assets and services in use at the department and updates NASA processes for ongoing maintenance of the inventory to include the complete inventory (Report Recommendation 21).	Anticipated completion date: 02-28-2022
GAO20155	4/7/2020	Telecommunications: Agencies Should Fully Implement Established Transition Planning Practices to Help Reduce Risk of Costly Delays	Chief Information Officer	2	The CIO should complete efforts to identify the Agency's future telecommunications needs using a complete inventory of existing telecommunications services (Report Rec 22).	Anticipated completion date: 02-28-2022
GAO20155	4/7/2020	Telecommunications: Agencies Should Fully Implement Established Transition Planning Practices to Help Reduce Risk of Costly Delays	Chief Information Officer	3	The CIO should identify telecommunications transition roles and responsibilities related to (1) managing human capital during the planning and execution phases of the transition and (2) providing legal expertise during the execution phase of the transition (Report Rec 23).	NASA Action Completed. GAO review of corrective actions for closure is pending.
GAO20155	4/7/2020	Telecommunications: Agencies Should Fully Implement Established Transition Planning Practices to Help Reduce Risk of Costly Delays	Chief Information Officer	4	The CIO should conduct an analysis to support the anticipated cost saving identified as part of the Agency's justification for its resource requests related to the hardware and software upgrades for the telecommunications transition, and justifies its resource requests for program management staff, conducts an analysis to identify staff resources needed for the entire transition effort; and analyzes training needs for staff assisting with the transition (Report Rec 24).	NASA Action Completed. GAO review of corrective actions for closure is pending.
GAO20155	4/7/2020	Telecommunications: Agencies Should Fully Implement Established Transition Planning Practices to Help Reduce Risk of Costly Delays	Chief Information Officer	5	The CIO should take into account the Agency's mission critical systems and contingency plans in NASA's telecommunications transition timeline (Report Rec 25).	NASA Action Completed. GAO review of corrective actions for closure is pending.
GAO20464	6/29/2020	Small Business Subcontracting: Oversight of Contractor Compliance with Subcontracting Plans Needs Improvement	Small Business Programs	1	Ensure contracting officers fulfill the requirement that subcontracting reports are submitted in a timely manner. For example, the Agency could require contracting officers to verify that prior reports were submitted when reviewing current submissions. (Report Rec 4).	Anticipated completion date: 03-30-2022
GAO20464	6/29/2020	Small Business Subcontracting: Oversight of Contractor Compliance with Subcontracting Plans Needs Improvement	Small Business Programs	2	Ensure contracting officers compare subcontracting goals in contractor report submissions to goals in the approved subcontracting plan and address any discrepancies. (Report Rec. 8).	Anticipated completion date: 03-30-2022
GAO21164SU	10/27/2020	Information and Communications Technology: Federal Agencies Need to Take Urgent Action to Manage Supply Chain Risk	Chief Information Officer	2	Develop an agency-wide ICT SCRM that makes explicit the agency's risk tolerance and identifies how the agency intends to assess, respond to and monitor ICT supply chain risks across the life cycle of ICT products and services, (Report #107)	NASA Action Completed. GAO review of corrective actions for closure is pending.
GAO21164SU	10/27/2020	Information and Communications Technology: Federal Agencies Need to Take Urgent Action to Manage Supply Chain Risk	Chief Information Officer	3	Establish a process to conduct agency-wide assessments of ICT supply chain risks. (Report #108)	Anticipated completion date: 09-30-2022
GAO21164SU	10/27/2020	Information and Communications Technology: Federal Agencies Need to Take Urgent Action to Manage Supply Chain Risk	Chief Information Officer	4	Develop organizational ICT SCRM requirements for inclusion in contracts that are tailored to the type of contract and business needs. (Report #109)	NASA Action Completed. GAO review of corrective actions for closure is pending.
GAO21164SU	10/27/2020	Information and Communications Technology: Federal Agencies Need to Take Urgent Action to Manage Supply Chain Risk	Chief Information Officer	5	Develop organizational procedures to detect counterfeit ICT products prior to their deployment. (Report #110)	Anticipated completion date: 09-30-2022

Report Number	Report Date	Report Title	Responsible Org Name	Recom. Number	Recom. Description	Implementation Status:
GAO21105	12/15/2020	NASA Human Space Exploration: Significant Investments in Future Capabilities Require Strengthened Management Oversight	Human Exploration and Operations Directorate	2	The NASA Administrator ensure that the NASA Associate Administrator for Human Explorations and Operations Mission Directorate directs the Exploration System Development organization to include cost, schedule, and technical performance updates for SLS Block 1B, SLS Block 2, Orion Docking System in its quarterly status program reviews in order to maintain oversight of these development projects.	NASA Action Completed. GAO review of corrective actions for closure is pending.
GAO21105	12/15/2020	NASA Human Space Exploration: Significant Investments in Future Capabilities Require Strengthened Management Oversight	Human Exploration and Operations Directorate	1	(Pri Rec) The NASA Administrator ensure that the NASA Associate Administrator for Human Explorations and Operations Mission Directorate establish cost and baseline schedules for SLS Block 1B, SLS Block 2, Orion Docking System at their preliminary design reviews or as soon as practicable in advance of critical design reviews.	Anticipated completion date: 04-29-2022
GAO21130	12/17/2020	Federal Research: Agencies Need to Enhance Policies to Address Foreign Influence	Chief Financial Officer	1	The Administrator of the National Aeronautics and Space Administration should update the agency's conflict of interest policy on non-financial conflicts, such as those the one developed by OSTP, and address those conflicts both foreign and domestic. (Report recommendation 7)	Anticipated completion date: 07-31-2022
GAO21130	12/17/2020	Federal Research: Agencies Need to Enhance Policies to Address Foreign Influence	Chief Financial Officer	2	The Administrator of the National Aeronautics and Space Administration should document procedures, including roles and responsibilities, for addressing failures to disclose required information, both foreign and domestic. (Recommendation 8).	Anticipated completion date: 07-31-2022

Appendix B: OIG Recommendations and Implementation Status

Report Number	Report Date	Report Title	Responsible Org Name	Recom. Number	Recom. Description	Implementation Status
IG12017	8/7/2012	Review of NASA's Computer Security Incident Detection and Handling Capability	Chief Information Officer	3	Ensure that annual exercises simulating loss of the SOC include the transfer of incident detection responsibility to the Centers.	Anticipated completion date: 02-01-2023
IG12017	8/7/2012	Review of NASA's Computer Security Incident Detection and Handling Capability	Chief Information Officer	2	Develop more detailed procedures for transferring incident detection responsibility to the NASA Centers in the event of a SOC disruption.	Anticipated completion date: 08-30-2023
IG14026	7/22/2014	Audit of the Space Network's Physical and Information Technology Security Risks	Chief Information Officer	2	To eliminate confusion regarding when IT waivers are required, the CIO should clarify the waiver process set forth in NPR 2800.1B.	Anticipated completion date: 04-29-2022
IG16015	3/28/2016	Audit of the Spaceport Command and Control System	Human Exploration and Operations Directorate	1	The OIG recommends that the Associate Administrator for Human Exploration and Operations commission an independent assessment to evaluate the status of the SCCS software development effort and determine the necessary steps to reduce the risk of further cost, schedule, and performance issues, including consideration of acquiring commercial command and control software to replace some or all of the system currently under development	NASA Action Completed. OIG review of corrective actions for closure is pending.
IG17003	11/2/2016	NASA's Earth Science Mission Portfolio	Science Mission Directorate	1	Update the Architecture Plan every 5 years to align with the release of Earth Science Decadal Surveys and mid-term Surveys and account for portfolio changes	Anticipated completion date: 11-30-2022
IG17012	3/9/2017	NASA's Management of Electromagnetic Spectrum	Human Exploration and Operations Directorate	2	The OIG recommend NASA's Associate Administrator for Human Exploration and Operations; incorporate the "Spectrum Guidance for NASA Small Satellite Missions" into formal NASA electromagnetic spectrum policies NPD 2570.5E, "NASA Electromagnetic Spectrum Management - Revalidated 9/13/16," and NPR 2570.1C, "NASA Radio Frequency Electromagnetic Spectrum Management Manual."	Anticipated completion date: 12-31-2022
IG17021	5/17/2017	Construction of Test Stands 4693 and 4697 at Marshall Space Flight Center	Strategic Infrastructure	1	Perform a comprehensive review of Program-funded construction projects to ensure adequate analysis, including all life cycle costs, is completed prior to project initiation.	Anticipated completion date: 01-31-2022
IG17021	5/17/2017	Construction of Test Stands 4693 and 4697 at Marshall Space Flight Center	Strategic Infrastructure	2	Develop additional construction project guidance for establishing unallocated construction reserves for program-direct construction facility projects to better account for significant expected risks	Anticipated completion date: 01-31-2022
IG17021	5/17/2017	Construction of Test Stands 4693 and 4697 at Marshall Space Flight Center	Human Exploration and Operations Directorate	3	Ensure facility needs, such as construction of new facilities and/or modification of existing facilities, are appropriately included in program planning and scheduling and that testing requirements are adequately understood prior to committing the Agency to construction or modification of test facilities.	Anticipated completion date: 01-31-2022
IG18015	4/5/2018	NASA's Management of the Goddard Institute for Space Studies	Science Mission Directorate	8	To the extent practicable, implement the GAO's best practices for establishing partnerships, including the formalization of agreements that outline the roles and responsibilities of each agency in the performance and application of climate research performed at GISS.	Anticipated completion date: 06-30-2022

Report Number	Report Date	Report Title	Responsible Org Name	Recom. Number	Recom. Description	Implementation Status
IG18017	5/14/2018	Audit of NASA's Compliance with the Improper Payments Information Act for Fiscal Year 2017	Chief Financial Officer	3	Develop a process for tracking overpayments identified and subsequently recovered through reductions in future billings on existing contracts such as contract credits.	Anticipated completion date: 05-31-2022
IG19002	10/22/2018	Audit of NASA's Historic Property	Communications	2	To improve NASA's identification and management of heritage assets, the OIG recommends that the Assistant Administrator for Strategic Infrastructure, in coordination with the Associate Administrator for Communications: 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.	Anticipated completion date: 06-30-2022
IG19002	10/22/2018	Audit of NASA's Historic Property	Communications	3	To improve NASA's identification and management of heritage assets, the OIG recommends that the Assistant Administrator for Strategic Infrastructure, in coordination with the Associate Administrator for Communications: 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.	Anticipated completion date: 06-30-2022
IG19002	10/22/2018	Audit of NASA's Historic Property	Strategic Infrastructure	5	To improve the use of funds generated from National Historic Preservation Act (NHPA) leases, the OIG recommends the Assistant Administrator for Strategic Infrastructure: Ensure NASA policy and procedures for using the proceeds from facilities leased under NHPA authority appropriately aligns with Agency goals to minimize excess facilities.	Anticipated completion date: 02-28-2022
IG19014	3/26/2019	NASA's Engineering and Technical Services Contracts	Procurement	1	NASA's Assistant Administrator for Procurement: Develop an Agency-wide standardized set of metrics for contracts that can be collected, tracked, and analyzed over time to identify efficiencies resulting from a change in contract structure.	Anticipated completion date: 06-30-2022
IG19014	3/26/2019	NASA's Engineering and Technical Services Contracts	Procurement	2	NASA's Assistant Administrator for Procurement: Require Center Procurement Offices to formally collect, track, and report data to the Headquarters Office of Procurement on these metrics at least annually.	Anticipated completion date: 06-30-2022
IG19014	3/26/2019	NASA's Engineering and Technical Services Contracts	Procurement	3	NASA's Assistant Administrator for Procurement: Develop a community of practice to analyze what contract structure changes lead to the greatest efficiencies and to share these lessons learned with the Agency's procurement community.	Anticipated completion date: 01-31-2022
IG19018	5/7/2019	NASA's Heliophysics Portfolio	Science Mission Directorate	2	To improve NASA's management of its heliophysics portfolio, we recommended the Associate Administrator for Science Mission Directorate direct the HPD Director to: complete implementation of 2015 NSWAP tasks in accordance with SWORM subcommittee deadlines.	Anticipated completion date: 05-31-2022

Report Number	Report Date	Report Title	Responsible Org Name	Recom. Number	Recom. Description	Implementation Status
IG19018	5/7/2019	NASA's Heliophysics Portfolio	Science Mission Directorate	3	To improve NASA's management of its heliophysics portfolio, we recommended the Associate Administrator for Science Mission Directorate direct the HPD Director to: reassess HPD's capabilities and resources and update the 2014 Roadmap for implementing 2013 Decadal recommendations with expected completion dates based on the Division's updated budget and priorities over the next 5 years.	Anticipated completion date: 06-30-2022
IG19018	5/7/2019	NASA's Heliophysics Portfolio	Science Mission Directorate	4	To improve NASA's management of its heliophysics portfolio, we recommended the Associate Administrator for Science Mission Directorate direct the HPD Director to: establish a formal mechanism to increase collaboration with DOD and the commercial space industry regarding heliophysics research and space weather modeling and forecasting efforts.	Anticipated completion date: 06-30-2022
IG19019	5/29/2019	Management of NASA's Europa Mission	Science Mission Directorate	9	The OIG also recommends the Associate Administrator for Science Mission Directorate in coordination with the Office of the General Counsel: 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 and mitigating conflicts of interest risks.	Anticipated completion date: 06-30-2022
IG20001	10/21/2019	NASA's Security Management Practices	Protective Services	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	Anticipated completion date: 12-31-2023
IG20001	10/21/2019	NASA's Security Management Practices	Protective Services	5	Coordinate with the Office of the 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	Anticipated completion date: 02-28-2023
IG20004	11/7/2019	Review of NASA's Fiscal Year 2019 Digital Accountability and Transparency Act Submission	Procurement	2	Incorporate a procedure into the existing Verification and Validation process to verify that procurement data is entered into FPDS-NG within three business days after contract award	Anticipated completion date: 07-29-2022
IG20005	11/14/2019	NASA's Management of Crew Transportation to the International Space Station	Human Exploration and Operations Directorate	2	Correct identified safety-critical technical issues before the crewed test flights, including parachute and propulsion systems including launch abort systems testing to ensure sufficient safety margins exist.	Anticipated completion date: 07-31-2022
IG20011	3/3/2020	NASA's Management of Distributed Active Archive Centers	Science Mission Directorate	1	NASA's Associate Administrator for Science Mission Directorate: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	Anticipated completion date: 03-31-2024
IG20011	3/3/2020	NASA's Management of Distributed Active Archive Centers	Science Mission Directorate	3	In coordination with the OCIO, and during the next security plan review cycle, ensure all applicable information types are considered during system categorization, that appropriate premises are used when determining impact levels, and that the appropriate categorization procedures are standardized across ESDIS systems	NASA Action Completed. OIG review of corrective actions for closure is pending.

Report Number	Report Date	Report Title	Responsible Org Name	Recom. Number	Recom. Description	Implementation Status
IG20012	3/10/2020	NASA's Management of Space Launch System Program Costs and Contracts	Human Exploration and Operations Directorate	2c	This review shall include: c. 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).	Anticipated completion date: 04-29-2022
IG20012	3/10/2020	NASA's Management of Space Launch System Program Costs and Contracts	Human Exploration and Operations Directorate	2b	This review shall include: b. establishing methodologies and processes to track and set cost commitments for Artemis II	Anticipated completion date: 04-29-2022
IG20012	3/10/2020	NASA's Management of Space Launch System Program Costs and Contracts	Human Exploration and Operations Directorate	5	Conduct a thorough review of each major SLS contract's scope of work and technical requirements needed to complete the period of performance to assist in eliminating incremental contract value increases to the contract and lessen contract management burden, as in the case of the Boosters contract.	Anticipated completion date: 01-31-2022
IG20012	3/10/2020	NASA's Management of Space Launch System Program Costs and Contracts	Human Exploration and Operations Directorate	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 programs. This review shall include the following: a. rebaselining Artemis I costs to appropriately and transparently track costs that include SLS development costs and activities tied to the first SLS launch; b. establishing methodologies and processes to track and set cost commitments for Artemis II; and c. 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).	Anticipated completion date: 04-29-2022
IG20013	3/17/2020	Audit of NASA's Development of Its Mobile Launchers	Human Exploration and Operations Directorate	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.	Anticipated completion date: 04-29-2022
IG20013	3/17/2020	Audit of NASA's Development of Its Mobile Launchers	Human Exploration and Operations Directorate	4	Require the ML-2 project to develop an ABC separate from the EGS Program.	Anticipated completion date: 04-29-2022
IG20016	4/10/2020	NASA's Compliance with the Improper Payments Information Act for Fiscal Year 2019	Chief Financial Officer	2	In accordance with OMB guidance, obtain a statistically valid estimate of the annual amount of improper payments in the SLS program for reporting in the FY 2020 AFR, and complete the associated required reporting.	Anticipated completion date: 05-15-2022
IG20017	6/25/2020	Evaluation of NASA's Information Security Program under the Federal Information Security Modernization Act for Fiscal Year 2019	Chief Information Officer	9	Develop and implement an effective process to ensure that all IT security handbooks and other IT governance documents are reviewed and updated at least annually in accordance with NASA requirements.	Anticipated completion date: 07-29-2022
IG20018	7/16/2020	NASA's Management of the Orion Multi-Purpose Crew Vehicle Program	Human Exploration and Operations Directorate	2	To the extent practicable, adjust the production schedules for Artemis IV and V to better align with the successful demonstration of Artemis II to reduce schedule delays associated with potential rework.	Anticipated completion date: 04-29-2022
IG20021	8/27/2020	Audit of NASA's Policy and Practices Regarding the Use of Non-Agency Information Technology Devices	Chief Information Officer	2	Incorporate into applicable IT policy and requirements documents IT systems security controls for life cycle management in accordance with National Institute of Standards and Technology Special Publication 800-124.	Anticipated completion date: 06-15-2022
IG20021	8/27/2020	Audit of NASA's Policy and Practices Regarding the Use of Non-Agency Information Technology Devices	Chief Information Officer	3	Define requirements and implement controls to monitor and enforce the MDM business rules, including defining the office responsible for performing monitoring and enforcement.	Anticipated completion date: 06-15-2022

Report Number	Report Date	Report Title	Responsible Org Name	Recom. Number	Recom. Description	Implementation Status
IG20021	8/27/2020	Audit of NASA's Policy and Practices Regarding the Use of Non-Agency Information Technology Devices	Chief Information Officer	4	Revise cybersecurity policy, guidance, and requirements to provide OCIO with a level of direct oversight of enterprise-wide IT management to ensure consistent practices across Centers.	Anticipated completion date: 06-15-2022
IG20021	8/27/2020	Audit of NASA's Policy and Practices Regarding the Use of Non-Agency Information Technology Devices	Chief Information Officer	5	Revise NASA Strategy to Improve Network Security to implement controls to ensure adequate Senior Agency Information Security Officer visibility into the cybersecurity practices at the Centers.	Anticipated completion date: 06-15-2022
IG20023	9/16/2020	NASA's Planetary Science Portfolio	Science Mission Directorate	2	In coordination with the Office of Chief Financial Officer, engage relevant Centers and technical capability leaders to identify budgetary and accounting system solutions within the current budgetary and full cost accounting system to adequately fund and sustain critical technical discipline capabilities needed to support current and future projects.	Anticipated completion date: 11-30-2022
IG20023	9/16/2020	NASA's Planetary Science Portfolio	Science Mission Directorate	3	In coordination with the Office of the Chief Human Capital Officer, review and identify opportunities based on existing NASA leading practices to foster and monitor mentoring to ensure a robust pipeline for PSD-related disciplines.	Anticipated completion date: 09-30-2022
IG20023	9/16/2020	NASA's Planetary Science Portfolio	Science Mission Directorate	5	In coordination with the Space Technology Mission Directorate, evaluate each Directorate's respective roles in basic research that may affect PSD projects and identify opportunities to advance technologies through flight demonstrations.	Anticipated completion date: 03-31-2023
IG20023	9/16/2020	NASA's Planetary Science Portfolio	Science Mission Directorate	6	Reassess the NEOO Program's priority in meeting the goal of cataloging 90 percent of the NEOs larger than 140 meters, establish cost and schedule estimate with proposed funding profile to meet the NEOO's goal of cataloging, and coordinate with Congress and request funding to support the implementation goal.	Anticipated completion date: 11-30-2022
IG20023	9/16/2020	NASA's Planetary Science Portfolio	Science Mission Directorate	7	In coordination with the NASA Shared Services Center, comply with the Federal Grant and Cooperative Agreements Act of 1977 on the use of contracts to provide greater visibility into partner operations and ensure that funding levels and performance are commensurate with contract requirements.	Anticipated completion date: 03-31-2023
IG20023	9/16/2020	NASA's Planetary Science Portfolio	Science Mission Directorate	8	Implement the National Academies recommendation to establish a common interface for CLPS contractors between instrument and spacecraft or to require that each commercial provider supply a document that describes provider and payload capabilities.	Anticipated completion date: 06-30-2022
IG20023	9/16/2020	NASA's Planetary Science Portfolio	Science Mission Directorate	9	In coordination with CLPS contracting personnel, establish procedures for evaluation, periodic re-evaluation, and monitoring of current and prospective CLPS contractors' past performance and financial capabilities risk, and steps to mitigate those risks when applicable.	Anticipated completion date: 06-30-2022
IG20023	9/16/2020	NASA's Planetary Science Portfolio	Science Mission Directorate	10	Comply with NASA policy to establish program/project quality assurance surveillance plans, or its intent thereof, for all applicable CLPS task orders.	Anticipated completion date: 06-30-2022
IG21004	10/1/2020	NASA's Management of the Gateway Program for Artemis Missions	Human Exploration and Operations Directorate	1	Baseline the Gateway requirements and specifications in contract modifications prior to updating and awarding the PPE and HALO fixed-price contracts.	Anticipated completion date: 02-28-2022
IG21004	10/1/2020	NASA's Management of the Gateway Program for Artemis Missions	Human Exploration and Operations Directorate	2	Ensure PPE and HALO delivery and launch dates are realistic by including sufficient schedule margin in their development schedules.	Anticipated completion date: 04-29-2022

Report Number	Report Date	Report Title	Responsible Org Name	Recom. Number	Recom. Description	Implementation Status
IG21004	10/1/2020	NASA's Management of the Gateway Program for Artemis Missions	Human Exploration and Operations Directorate	3	Develop a HEOMD policy that establishes a reasonable amount of recommended schedule margin by phase of program or project.	Anticipated completion date: 08-31-2022
IG21004	10/1/2020	NASA's Management of the Gateway Program for Artemis Missions	Human Exploration and Operations Directorate	5	Work with the contractors to obtain a credit for the amount already spent on launch services under the PPE contract.	Anticipated completion date: 04-01-2022
IG21004	10/1/2020	NASA's Management of the Gateway Program for Artemis Missions	Human Exploration and Operations Directorate	6	Take action to enforce NASA policy to definitize contracts within 6 months of award.	Anticipated completion date: 04-30-2022
IG21004	10/1/2020	NASA's Management of the Gateway Program for Artemis Missions	Human Exploration and Operations Directorate	8	Ensure the maturity of system requirements are fully understood before selecting the acquisition method and contract type for future acquisition strategies supporting Artemis and Mars missions by describing the state of the program requirements in the acquisition strategy memorandum for each new acquisition.	NASA Action Completed. OIG review of corrective actions for closure is pending.
IG21001	10/2/2020	Audit of NASA's Compliance with the Geospatial Data Act	Chief Information Officer	4	Collaborate with NARA to determine if there is value in establishing affiliated data archive agreements for NASA's remote sensing/earth observing geospatial data assets.	Anticipated completion date: 10-28-2022
IG21001	10/2/2020	Audit of NASA's Compliance with the Geospatial Data Act	Science Mission Directorate	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	Anticipated completion date: 07-12-2022
IG21001	10/2/2020	Audit of NASA's Compliance with the Geospatial Data Act	Chief Information Officer	3	Develop records schedules in coordination with NARA for NASA's historically significant geospatial data assets	Anticipated completion date: 09-30-2022
IG21002	10/27/2020	NASA's Management of Its Acquisition Workforce	Procurement	1	Finalize and fully implement the performance metrics dashboard to measure acquisition performance	Anticipated completion date: 12-01-2023
IG21002	10/27/2020	NASA's Management of Its Acquisition Workforce	Procurement	2	Document contract assignments to COs, CORs, and program/project managers in a centralized system for inclusion in the performance metrics dashboard.	Anticipated completion date: 12-01-2022
IG21002	10/27/2020	NASA's Management of Its Acquisition Workforce	Procurement	4	Take action to ensure that active CORs that have not met continuous learning requirements are removed from their COR position in a timely manner.	Anticipated completion date: 07-31-2022
IG21006	12/3/2020	NASA's Management of Hazardous Materials.	Strategic Infrastructure	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	Anticipated completion date: 12-31-2022
IG21006	12/3/2020	NASA's Management of Hazardous Materials.	Safety & Mission Assurance	6	Develop and implement an Agency-wide policy that establishes a standard for storage spaces and facilities used to house hazardous materials.	Anticipated completion date: 05-01-2022
IG21006	12/3/2020	NASA's Management of Hazardous Materials.	Safety & Mission Assurance	7	Require Center Directors to inspect and replace, as required, laboratory hazardous material storage structures and improve shelters that do not meet CDC or Agency requirements.	Anticipated completion date: 10-01-2023
IG21010	12/22/2020	Fiscal Year 2020 Federal Information Security Modernization Act Evaluation – An Agency Common System	Chief Information Officer	3	Assign the personnel resources necessary to ensure the Agency's security plans for systems that inherit the controls within the Agency's new hybrid common controls system are updated and that those hybrid controls are removed from the ACS system security	Anticipated completion date: 02-28-2022
IG21010	12/22/2020	Fiscal Year 2020 Federal Information Security Modernization Act Evaluation – An Agency Common System	Chief Information Officer	4	Establish a process to ensure that cost estimates are developed and included for all POA&Ms for the ACS system prior to their establishment and approval in RISCs to ensure that costs are properly captured and included in submissions to OMB.	Anticipated completion date: 03-31-2022

Report Number	Report Date	Report Title	Responsible Org Name	Recom. Number	Recom. Description	Implementation Status
IG21011	1/27/2021	NASA's Efforts to Mitigate the Risks Posed by Orbital Debris	International & Interagency Relations	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	Anticipated completion date: 06-30-2022
IG21011	1/27/2021	NASA's Efforts to Mitigate the Risks Posed by Orbital Debris	International & Interagency Relations	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	Anticipated completion date: 06-30-2022
IG21011	1/27/2021	NASA's Efforts to Mitigate the Risks Posed by Orbital Debris	Space Technology Mission Directorate	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	Anticipated completion date: 12-31-2025
IG21011	1/27/2021	NASA's Efforts to Mitigate the Risks Posed by Orbital Debris	Science Mission Directorate	4	Prioritize obtaining direct measurements needed to fill the 3 mm and smaller sized debris gap at the 600 to 1,000 km altitude in LEO	Anticipated completion date: 06-30-2022
IG21011	1/27/2021	NASA's Efforts to Mitigate the Risks Posed by Orbital Debris	Safety & Mission Assurance	5	Explore alternative orbital debris radar assets to fill the data gaps caused by the increased costs of utilizing existing radars and the loss of legacy assets.	Anticipated completion date: 12-31-2022
IG21011	1/27/2021	NASA's Efforts to Mitigate the Risks Posed by Orbital Debris	Safety & Mission Assurance	6	Explore commercial alternatives to obtaining information on debris smaller than 10 cm until Space Fence becomes fully operational	NASA Action Completed. OIG review of corrective actions for closure is pending.
IG21011	1/27/2021	NASA's Efforts to Mitigate the Risks Posed by Orbital Debris	Safety & Mission Assurance	7	Coordinate with Mission Directorate officials to develop and document a formal signature process that clarifies needs and expectations and supports the timely delivery of ODARs and EOMPs prior to key decision point reviews	Anticipated completion date: 06-30-2022

Appendix C: Reconciliation with NASA's OIGs' Semi-Annual Report

Reconciliation with OIG's September 30, 2021 Semi-Annual Report (As of 1/31/2022)		
	Reports	Recommendations
Total Public Reports and Recommendations as of 9/30/21 [per NASA OIG Semi-Annual Report]	42	167
Minus: Public Reports and Recommendations Open Less than One Year But Included in OIG Semi-Annual Report	16	106
Net Public Reports and Recommendations Open More than One Year (as of 9/30/19)	26	61
Plus: Additonal Public Reports and Recommendations Open More Than One Year as of 10/1/19	10	76
Minus: Public Reports and Recommendations Open More than One Year on 9/30/19 but Closed During 10/1/21 - 1/31/22	4	51
Total Public Reports and Recommendations Open More than One Year (as of 1/31/22)	40	188

Appendix D: Glossary of Abbreviations

Abbreviation	Description
ABC	Agency Baseline Commitment
ACS	Agency Common System
AFR	Agency Financial Report
CDC	Center for Disease Control
CIO	Chief Information Officer
CLPS	Commercial Launch Provider Services
CO	Contracting officers
COR	Contracting officer's representatives
DAAC	Distributed Active Archive Centers
DOD	Department of Defense
EGS	Exploration Ground Systems
EOMPs	End of Mission Plans
ESDIS	Earth Science Data and Information System
EVM	Earned Value Management
FPDS-NG	Federal Procurement Data System - Next Generation
GAO	Government Accountability Office
GISS	Goddard Institute for Space Studies
GSDO	Ground Systems Development and Operations
HALO	Habitation and Logistics Outpost
HEOMD	Human Exploration and Operations Mission Directorate
HPD	Heliophysics Division
ICT	Information and Communications Technology
IT	Information technology
JCL	Joint Confidence Level
KDP	Key Decision Point
LEO	Lower Earth Orbit
MDM	Mobile Device Management
ML-2	Mobile Launcher-2
NARA	National Archives and Records Administration
NASA	National Aeronautics and Space Administration
NEOO	Near-Earth Object Observations
NHPA	National Historic Preservation Act
NICE	National Initiative for Cybersecurity Education
NISAR	NASA ISRO Synthetic Aperture Radar
NPD	NASA Policy Directive
NPR	NASA Procedural Requirements
NSWAP	National Space Weather Action Plan
ODARs	Orbital Debris Assessment Reports
OIG	Office of the Inspector General
OMB	Office of Management and Budget
OSTP	Office of Science and Technology Policy
POA&M	Plan of action and milestones
PPE	Power and Propulsion Element
PSD	Planetary Science Division

Abbreviation	Description
RISCS	Risk Information Security Compliance System
SAISO	Senior Agency Information Security Officer
SCCS	Spaceport Command Control System
SCRM	Supply Chain Risk Management
SLS	Space Launch System
SOC	Security Operations Center
SWORM	Space Weather Operations, Research, and Mitigation
SWOT	Surface Water and Topography
WBS	Work Breakdown Structure