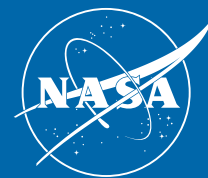


National Aeronautics and Space Administration



Stennis Space Center  
2023  
**Agency Honor Awards**  
Ceremony





Stennis Space Center

# 2023 Agency Honor Awards Ceremony

May 15, 2024

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**WELCOME AND MODERATOR**

**Harry M. Ryan, III**

Chief Engineer  
Engineering and Test Directorate

**NATIONAL ANTHEM**

**Shane P. Mendel**

Program Manager  
ALUTIIQ LLC

**REMARKS**

**John W. Bailey, Jr.**

Director  
NASA's Stennis Space Center

**PRESENTATION OF AWARDS**

**Kenneth Bowersox**

Associate Administrator  
NASA Space Operations

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Reception immediately following the ceremony  
in StenniSphere Lobby

# FOREWORD

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**John W. Bailey, Jr.**  
Director, NASA's Stennis  
Space Center

In 2023, NASA pushed the limits of exploration for the benefit of humanity.

Agency highlights from the year include our celebrating Frank Rubio as the first American astronaut to spend more than one year in space;

delivering samples from an asteroid to Earth; and launching multiple initiatives to share climate data, all while continuing preparations to send the first Artemis astronauts to the Moon.

Through Artemis, we are helping NASA to establish the foundation for long-term scientific exploration at the Moon; land the first woman, first person of color, and first international partner astronaut on the lunar surface; and prepare for human expeditions to Mars for the benefit of all.

The diverse team of highly skilled people working at NASA's Stennis Space Center help make such mission success

possible. Our NASA Stennis team can be particularly proud in knowing their contributions are helping to power this nation's next great era of human space exploration.

The people we recognize during the NASA Stennis Space Center Honor Awards—and so many others—are responsible for the excellent work achievements from the past year.

I commend each person on the NASA Stennis team. All of you have consistently demonstrated a commitment to NASA's core values of Safety, Excellence, Teamwork, Integrity, and Inclusion as you carry out your work. And for that, we are all better.

In 2023, you all played a part in positioning NASA Stennis to steadily move forward into the future. With your dedication and continued drive, I have no doubt we will go even further together.

A handwritten signature in black ink that reads "John W Bailey Jr." in a cursive, flowing script.

**John W, Bailey, Jr.**  
Director, NASA's Stennis Space Center



## John W. Bailey, Jr.

Director, NASA's Stennis's Space Center

John Bailey serves as acting center director of NASA's Stennis Space Center near Bay St. Louis, Mississippi, a position he has held since January 2024. In that role, Bailey provides executive leadership, overall direction, and management of the center. He is responsible for implementing NASA's mission in rocket propulsion testing, and for developing and maintaining NASA's world-class rocket propulsion test facilities. He also oversees a unique federal city that is home to more than 50 federal, state, academic and private organizations, and numerous technology-based companies.

Prior to being named acting center director, Bailey served as NASA Stennis deputy director, responsible for coordinating and executing all rocket propulsion testing capabilities at NASA Stennis, as well as managing the federal city.

Bailey also previously served as associate director of NASA Stennis, providing leadership and managing the institutional capabilities that supports federal city operations and NASA's rocket propulsion testing capabilities at NASA Stennis.

Bailey began his career as a communications engineer with the U.S. Air Force and progressed to lead electronic communications testing worldwide. Bringing his

leadership expertise to NASA in 1999, Bailey served in various roles, managing and leading technical and non-technical organizations and supervising employees with a wide variety of skills and backgrounds. Early in his NASA career, his leadership roles included service as manager of Intellectual Property and Dual Use Technology Development; chief of the Technology Development and Transfer Office; chief of the Science and Technology Division; deputy manager of the Office of External Affairs; technical assistant to the director of the Engineering and Test Directorate; and strategic business manager for the Office of the Center Director.

Bailey was selected as deputy director of the Engineering and Test Directorate in 2015 and advanced to the role of director that same year. In those capacities, he provided leadership and management of critical rocket propulsion test assets exceeding \$2 billion in replacement value and managed projects in excess of \$221 million. The portfolio included high priority propulsion test projects, an extensive array of technology development projects, and major test complex construction activities, including restoration of the Thad Cochran Test Stand (B-2) to support the historic SLS (Space Launch System) core stage Green Run test for NASA's Artemis program.



## Kenneth Bowersox

Associate Administrator  
for Space Operations

Kenneth Bowersox is the associate administrator for NASA's Space Operations Mission Directorate. Before being appointed to that position, Bowersox served as deputy associate administrator for the Space Operations Mission

Directorate. Bowersox also served as the Interim Chair of the NASA Advisory Council from June 2016 to January 2017. He is a retired U.S. Naval Aviator, with over 19 years of experience at NASA. Selected to the astronaut corps in 1987, he has flown five times on NASA's space shuttle, serving as pilot, commander and mission specialist, and once on a Roscosmos Soyuz, where he served as the flight engineer during descent. During his five orbital missions, Bowersox has logged over 211 days in space, including five and a half months aboard the International Space Station, where he was the mission commander of the 6th expedition. He was also a crew member for the first two Hubble Space Telescope repair flights and two United States microgravity laboratory flights.

Subsequent to his mission aboard the International Space Station, Bowersox served as the director of the NASA's Johnson Space Center Flight Crew Operations Directorate in Houston, retiring from NASA and the U.S. Navy in December 2006. After retirement, he remained involved with the U.S. space exploration program as a member of the standing review boards for the International Space Station, Space Shuttle, and the Constellation Programs. From 2009-2011, Bowersox was the Vice President of Astronaut Safety and Mission Assurance at SpaceX. Ken also worked as an independent technical consultant, advising clients on spacecraft design, proposal development, and providing independent assessment of technical programs. He joined the NASA Advisory Council in November 2013, and served as Chair of the Human Exploration and Operations Committee.

# PRESIDENTIAL RANK AWARD RANK OF MERITORIOUS EXECUTIVE

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## **John W. Bailey, Jr.**

Director,  
NASA's Stennis Space Center

The Presidential Rank Award (PRA), from the President of the United States, is one of the highest awards bestowed upon career Senior Executive Service (SES), Scientific or Professional (ST), or Senior Level (SL) executives. Recipients of this

prestigious award are strong leaders, professionals, and scientists who achieve results and consistently demonstrate strength, integrity, industry, and a relentless commitment to excellence in public service. The career achievements of each of the award recipients have contributed significantly to the nation's leadership in defining and pursuing the frontiers that expand humankind's reach, while keeping us at the cutting edge of science and technology. The award recipients reflect the diversity and quality in our senior executive and senior technical workforce.

John Bailey was recognized by President Biden with the Meritorious Senior Executive Presidential Rank Award. Since joining NASA in 1999, Mr. Bailey has served in various roles, with the most recent as acting center director of NASA's Stennis Space Center since January 2024. He is responsible for implementing NASA's mission in rocket propulsion testing and developing and maintaining NASA's world-class rocket propulsion test facilities. Mr. Bailey provided leadership and managed critical rocket propulsion test assets exceeding \$2 billion in replacement value and managed projects over \$221 million.

# OUTSTANDING LEADERSHIP MEDAL



## Michael F. Tubbs

### Center Operations

Mr. Tubbs has served as the Deputy Director of OSI at SSC since January of 2022. The start of his tenure came with a couple significant challenges: one, with the Director position vacant, Michael would have to serve as acting Director and two, this happened during the middle

of the covid pandemic, which was challenging for all, even senior managers. Michael performed at a high level and exceeded all expectations.

As a leader and manager for OSI, Michael ushered in improvements and new initiatives. Accomplishments in his leadership roles, Michael helped achieve a cultural transformation such that the COD is now regarded as an Agency innovation/change leader. Michael helped lead a refocused staff and advanced the COD staff from a passive, stagnant mindset to an aggressive, fully engaged team focused on cutting costs, improving processes, and forward leaning business. Michael led others across the Center to accomplish objective for NASA. Michael led change by establishing a weekly Project Tag venue where COD managers brief projects to a Center-wide audience. Strategy serves to inform customers and provide training in key areas of need. PM and presentation delivery. Successful effort has become COD's most heavily attended Center meeting. He ensured ongoing development of the SSC UAV program, evidenced by capable support to KSC with Artemis launch and recovery. Michael was instrumental in the organization scoring 100% on EVS item, "NASA has proactive programs in place to recruit diverse candidates, which is a commitment in diversity, inclusion, and equity". Michael led the way in soliciting cost savings strategies from entire COD staff. Of 101 submitted, 89 are in work and 12 are complete with estimated savings of \$2.4M. He was instrumental in the descope S3 custodial support for B1100 areas vacated by NASA, saving \$635K.

Another example leading through innovation, he instituted an automated "key kiosk" motor pool system for GSA vehicles, enabling a 50% vehicle reduction saving \$600K annually. Michael also led and utilized the SAT procurement process for 33 total purchases, yielding a total cost avoidance of \$310k. He proposed and received funding to consolidate SSC/NSSC Data Center footprint, reducing NASA cost by ~50%. Received enterprise funding for a B1111 energy project targeting improved HVAC, lighting and controls while reducing energy usage by 20% annually. Michael led and managed the completed EULA for the A-3 Test Stand with Rocket Lab of America over 10 years for approximately \$3.4M. Completed EULA between SSC and RSI for the A-2 Test Stand over seven years for approximately \$2.2M for NASA and reimbursable customers, under Michael leadership, the SSC exceeded expectations in ensuring test complex RTT metric was sustained at 100%, exceeding the RPT program goal of 90%, and availability of critical test services and support facilities to meet all safety, engineering, and environmental requirements within project budgets and milestones. Enabled 307 tests at 6 test positions for a total 10,937.45 seconds. All tests exceeded customer expectations and were completed safely within customer requirements with ~99% success rate. Under Michael's

leadership, OSI utilized hybrid/hoteling concept to develop a comprehensive plan in collaboration with NSSC/SSC leadership. Exceeding expectations, the plan was achieved with no study funding and developed 100% in-house, with all phases resulting in movement of all SSC's workforce, demolition of 4 facilities, elimination of SSC COF EOF project request of \$160M, projected savings of \$7-10M annually, plan was conceived, and execution begun in less than 90 days, and SSC Consolidation is considered an enterprise best practice by OSI and used as an enterprise best practice.

Michael displayed NASA core values by ensuring safety and excellence for NASA through leading the change with passion for the programs. He accomplished results and served as a role model for others during this time. Michael led OSI through many program objectives and took innovative approaches to support the NASA mission. Also, during this time, a new director was named from outside of the agency. Michael eased this transition and made it seamless with the new director.

# EXCEPTIONAL SERVICE MEDAL



## David K. Lorance

Environmental & Health Services

Mr. Lorance furthered the NASA Mission through outstanding leadership of the Environmental and Health Services Office Division of the Center Operations at John C. Stennis Space Center. Through Mr. Lorance's results oriented leadership SSC received No Further Action (NFA)

Status at 3 of 7 Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) Remediation Areas at SSC since 2019. The CERCLA program at Stennis began in 1990 and under Dave's leadership have begun shutting remediation sites down and reducing agency unfunded liability at a rapid pace. Mr. Lorance is directly responsible for ensuring compliance with numerous environmental programs, manages resources to ensure requirements are met with no impact to mission, project manages hundreds of regulatory reports for submission on time, and ensures environmental permits maintained.

Most recently, Mr. Lorance ensured the Center's Title V Air Emissions Permit, which is critical to the Center's mission of propulsion testing, was submitted with no lapses in operability. Mr. Lorance ensures Center interests are protected at the Agency-level and is a significant resource in establishing agency policy, updating NASA procedures, and providing general advice through his active participation on Agency Working Groups and environmental initiatives.

Mr. Lorance consistently demonstrates NASA's core values through his consistent and exemplary behavior through his participation on the selection board of the United States Military Academies for the State of Louisiana Congressional District 1. In addition to his support of the Military Academies selection process, under Mr. Lorance's direct mentorship, four of his staff have been awarded the Silver Snoopy award. This represents a commitment to the personnel under his supervision and dedication to their developments for NASA ensuring succession for future NASA leaders. Mr. Lorance has excelled at leading people through cooperative collaboration and teamwork across organizational, directorate, Agency, and Government boundaries. His leadership achievements are best exemplified by SSC being awarded two Blue Marble Awards by the NASA Headquarters Environmental/Sustainability Group during his tenure. These prestigious Agency awards are a NASA-wide award recognizing groups and individuals demonstrating exceptional environmental leadership in support of NASA's missions and goals. Mr. Lorance has continually influenced change through the innovative approach to projects both locally and at the agency level. A prime example of this has been his management of the SSC Institutional Global Information System (GIS) which has been the Agency Principal Center in GIS for over 10 years. This group has been identified as an exceptional Agency asset numerous times.



## Bradley P. Messer

Office of Project Management

Mr. Brad Messer serves as the Assistant Director of the Engineering and Test Directorate (ETD) in charge of the Office of Project Management, Planning and Control, and has demonstrated exceptional service throughout his 32-year career at NASA and Stennis Space Center (SSC).

Mr. Messer began his career with NASA in 1991 in Liquid Propulsion Systems at Marshall Space Flight Center (MSFC), where he was engaged in an array of mission activities that ranged from designing, planning, and implementing test fixture and equipment modifications to serving on Space Shuttle SRB-TVC Flight Readiness Reviews, flight anomaly investigations, and post flight performance reviews. Upon his transition to SSC in 1996, he became the Systems/Project Engineer for X33 engine testing at the A-1 Test Stand, where he successfully guided the project from conceptual design through detailed design, analysis, activation, and initial testing. He went on to serve in roles as a Systems Engineer for E-1 Ultra High-Pressure Test Stand, the Lead Systems Engineer for the Engineering and Science Directorate, and the Senior Systems Engineer for the Systems Management Office. He was able to demonstrate his leadership abilities and Systems Thinking in key roles that helped execute the mission and improve SSC processes in the test complex. In the wake of the Columbia accident, Mr. Messer took on a role to help with Return to Flight efforts as a project engineer for the Space Shuttle Program, External Tank Project Office. He was responsible for managing flight and design certification rationale for the External Tank, including requirements definition and tracking, and integration of material, structural, and propulsion systems verification and validation test results. He actively participated in and served on the External Tank Chief Engineers Review Board, the External Tank Project Configuration Control Board, and the Space Shuttle Program Configuration Control Board. Mr. Messer then became the Systems Engineering and Integration Division Chief at SSC, where he led an organization responsible for systems engineering technical expertise through test activity planning, requirements definition, integration, verification, validation, and review for a broad range of projects and multiple programs with national impact. He also went on to be a key participant on the Synergy-Achieving Consolidated Operations and Maintenance contract Source Evaluation Board and later became the Contracting Officer Representative for the contract. In his current role as Assistant Director for ETD in charge of the Office of Project Management, Planning and Control, he has been not only responsible for the day-to-day business operations and project activities across the test complex but has also contributed significantly to the strategic planning and execution of activities that are essential to the future state of the test complex.

Throughout his career, Mr. Messer has demonstrated distinguished service to NASA by advancing the Agency's goals and has also helped to ensure that SSC's test complex remains a world class propulsion test facility. For his dedication, hard work, and leadership in these areas, he is being recognized as a recipient of the Exceptional Service Medal.





## Kevin P. Power

Office of Project Management

Mr. Kevin Power serves as the Deputy Assistant Director, Office of Project Management, Planning and Control, for the Engineering and Test Directorate (ETD) and has provided exemplary service to NASA at Stennis Space Center (SSC) for more than 34 years. He has

consistently delivered outstanding support to the SSC vision and mission, accomplishing Center, NASA, and our nation's goals of providing management and engineering leadership, expertise, resources, and guidance to multiple NASA and commercial propulsion test projects.

Beginning his career as a project manager in the Center Operations Directorate, Mr. Power was responsible for construction on eight large projects valued at over \$100 million involving every test and test support facility in the rocket propulsion test complex. He later served in the Rocket Propulsion Test Program Office, Level II, supporting local propulsion efforts and coordinating with the National Rocket Propulsion Testing Authority to determine appropriate test assignments. Contributing invaluable skills in yet another venue, Mr. Power served as a Congressional Fellow to Senate Majority Leader Trent Lott, providing guidance and recommendations related to strategic and technical issues concerning NASA.

Mr. Power has provided exceptional leadership and management of some of the Center's most critical projects. He served as project manager for the multimillion-dollar E-Complex upgrades and engaged in strategic resource planning initiatives for the B-2 Test Stand in anticipation of funding to rehabilitate the stand for Artemis core stage testing. He served as project manager for the Advanced Booster Engineering Demonstration and Risk Reduction project, the Aerojet Rocketdyne AR1 test project, and the Stratolaunch commercial project. He currently leads a team of project managers, ensuring the SSC Test Complex assets and support facilities are operated, utilized, and continually improved to support the SSC propulsion test mission by providing premier testing services to both government and commercial customers. He supports risk identification and mitigation efforts related to both test projects and institutional efforts, and he continually assists in strategic planning for propulsion test facilities and the associated workforce. Additional NASA activities supported by Mr. Power include A-1 Test Stand RS-25 engine testing for the Space Launch System program and direct supervision of an extensive portfolio of projects for reimbursable test customers, e.g., the Aerojet Rocketdyne RS-68 Engine, Launcher, Virgin Orbit N3-2 Engine, Ursa Major Pre-Burner, and the Blue Origin Lox Duct and Flex Joint Bellows. Mr. Power works closely with the Strategic Business Development Office, identifying potential test projects and serving as the SSC point of contact with Relativity Space, Inc. He has been instrumental in Stennis' continued efforts to leverage underutilized facilities, as well as land, and is laying groundwork for agreements to lease the A-2 and A-3 test facilities. Outside of the test complex, he is formulating agreements for 2,770 acres of land in and around Enterprise Park, Building 9121, and Building 3202.

Mr. Powell's extensive career achievements have advanced the propulsion test capability and quality of test services for which SSC is well known, and he is being recognized as a recipient of the Exceptional Service Medal.



## Cecile A. Saltzman

Office of Project Management

Ms. Cécile Saltzman has been an asset to Stennis Space Center (SSC) and the Engineering and Test Directorate (ETD) for over twenty years, and she continues to provide outstanding support. Exceeding norms in every area and with her work

praised at the highest Center levels, she has demonstrated an outstanding degree of competency while serving both Center leadership and ETD.

Ms. Saltzman is both proactive and highly effective in her role managing the ETD document process control function, ensuring SSC test complex assets and support facilities are operated, utilized, and continually improved to support the Center's propulsion test mission of providing premier testing services to both NASA and commercial customers. In this capacity she reviews, edits, and ensures the accuracy of the directorate's written materials, including directives, Space Act Agreements (SAAs), proposals, etc., in accordance with applicable guidelines while raising the overall quality. She resolves issues directly with each document owner as necessary to expedite final revisions and ensure efficient, timely support to all associated programs and test activities. She is also heavily engaged with the ETD commitment to diversity and systemic equality. On behalf of ETD, she reviews and provides extensive comments supporting NASA policy in this area, including the NASA Procedural Requirements regarding Diversity, Equity, Inclusion and Accessibility Strategic Governance, as well as the Special Emphasis Program and Employee Resource Group Management.

Ms. Saltzman's work with Center leadership has been outstanding. She provides immediate review of all types of documents for Center Director signature, coordinating changes in real time with submitting document owners to expedite processing and mitigate any review burden for both the Associate and Deputy Director. Both routine and specialized, the document flow addresses the full scope of SSC business, and the pace of need requires skilled editing and coordination with all parties to ensure the quality and integrity of the review process and resulting products. On a quarterly basis and in advance of due dates, she prepares SSC performance packages for NASA Headquarters review and has, for eighteen consecutive years, administered the NASA Senior Executive Service performance program supporting the SSC executive cadre. Her work has supported the Center Director such that SSC and Agency executive performance requirements were met and Center strategic objectives for incoming fiscal years were developed and documented as appropriate.

Ms. Saltzman's commitment to the SSC propulsion test mission is peerless and sustained, and she is being recognized as a recipient of the NASA Exceptional Service Medal.

# John E. Stealey

## Office Of Chief Engineer

Mr. John Stealey has served in a number of roles at Stennis Space Center (SSC) and Kennedy Space Center (KSC) since joining NASA over 35 years ago. Over the course of his career, his achievements have contributed substantially to Rocket Propulsion Test (RPT) operations, our Center, and NASA.

Mr. Stealey began his career at KSC working as a member of the Launch and Landing Division. He went on to serve KSC as a Functional Supervisor, Ground Operations Manager, Chief Landing and Recovery Director, and NASA Test Director. This work included leading teams responsible for the development, improvement, and implementation of plans and procedures required for Space Shuttle Vehicle processing, launch, and landing recovery.

Mr. Stealey transferred to SSC in 1998, where he took on the role of Test Director at the B-2 Test Stand for the NASA Marshall Space Flight Center (MSFC) Fastrac 60k thrust engine. He oversaw and developed schedules, budgets, and procedures for both the Horizontal Test Facility and Propulsion Test Article test programs assigned to that test stand. He later went on to be a Project Manager at E-3, where he led multiple propulsion test projects that included the testing of the AR2-3 man-rated engine, Portable Peroxide Enrichment Skid, Boeing-Rocketdyne Catalyst Bed, and the Lockheed Martin Astronautics – Peroxide Hybrid Upper Stage. Mr. Stealey leveraged his knowledge of test operations and human spaceflight concerns in his next role as deputy of the Safety and Mission Assurance Directorate (SMA). In this role, he was involved in advising, coordinating, monitoring, and performing duties concerned with institutional and programmatic safety, reliability, quality assurance, and risk management. He also ensured the office maintained proper and sufficient resources and skills to provide support to the Center by utilizing a variety of Agency and contractor organizations. He then went on to serve as Manager, Engineering and Science Directorate (ESD) Business and Facility Management Office, where he provided administrative oversight of the organization's workforce planning, development, analysis, and forecasting. He concurrently served as the RPT Level 3 program office, where he was responsible for the Center's multi-million-dollar budget for the capability portfolio while also leading the team in a transition of the project management functions from ad hoc to process based. Mr. Stealey went on to become an Engineering and Test Directorate (ETD) Assistant Director, where he helped provide day-to-day "down and in" management and administrative oversight of the Directorate. He assisted in overseeing strategic planning for propulsion test facilities and workforce, and provided technical insight into project or study feasibility, justification, and or economics as well as coordinating internal and external efforts. In addition to being a supervisor, he also served as a member on the Agency-level Exploration System Directorate Standing Review Board, providing expert advice on systems engineering and project management. Mr. Stealey was also the Deputy-Chair on the Test Operations Contract Source Evaluation Board and served as a team member on the subsequent Test Operations Contract Transition Team, where his leadership helped to shape our critical test support contracts.

Mr. Stealey has been instrumental to the ETD organization and NASA's mission success, and he is being recognized as a recipient of the NASA Exceptional Service Medal.

# EXCEPTIONAL PUBLIC SERVICE MEDAL

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## Rodney W. King

SACOM

Mr. Rodney King's route to Stennis Space Center (SSC) began in August of 2016 when he was hired by NASA's SACOM contractor to work at the Michoud Assembly Facility as an assistant supervisor overseeing critical systems used by Boeing to fabricate Artemis

I flight hardware. When SACOM recognized a need for critical supervision at SSC, they realized a clear choice for their success to be Mr. King, who was then transferred to SSC in June of 2017 to supervise the High and Low voltage Electrical Technicians. His outstanding leadership was recognized as an attribute SACOM needed to raise employee motivation and resiliency in electrical systems maintenance and support activities across both the SSC base and test complexes.

Mr. King leveraged his tremendous leadership skills, stellar work ethic, ownership, and unparalleled energy to develop and expound his depth of technical knowledge in this new role, and through hard work and study he has become the Center's Subject Matter Expert for critical systems such as Fire Detection/Alarm systems, Elevators, and SSC's electrical distribution and support systems. Combined with his dedication to exceptional service, he has consistently ensured the highest level of professionalism in the execution of his duties. He serves all of Stennis Space Center in his capacity as a SACOM supervisor, and his service-centered approach renders him highly successful both in technical work activities and in how he relates to his customers, management, peers, and direct reports. He has been recognized by organizations throughout the Center such as NASA, Aerojet Rocketdyne, the Naval Oceanographic Office, the Government Printing Office, and many other tenants for his quick response to outages or issues within their facilities. His dedication to his work is such that he routinely answers emergency calls from NASA and the Center's tenants on nights and weekends as he tirelessly ensures that all onsite organizations' missions are fully supported. Mr. King is very passionate about performing above expectations, and his work ethic motivates his peers and employees to do the same. He is also one of the first to initiate or volunteer to support fellow employees with a benefit or fund raiser, and this attribute points toward this recognition of public service as well.

For his professionalism, work ethic, can-do spirit, and for outstanding leadership and commitment to excellence demonstrated throughout his career, Mr. King is being honored as a recipient of the Exceptional Public Service Medal.

# EXCEPTIONAL BRAVERY MEDAL

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## Brenden Burns

CHENEGA GLOBAL PROTECTION, LLC

The exemplary and courageous actions of Captain Leeanna Dunigan, Officer Barry Hoda, Officer Brendan Burns, and Officer Isaac Delaney while responding to a medical emergency were directly responsible in preventing the loss of human life. On Wednesday, December 7, 2022 at approximately 3:16 pm, at the Stennis Space Center south gate, a Naval Research Laboratory employee was noticed lying on the ground in apparent distress. Officer Hoda responded noting that the employee was unresponsive, no pulse or respiration were detected, and he immediately began cardiopulmonary resuscitation (CPR). Officer Delaney, noticing the incident, quickly responded, grabbing an automated external defibrillator (AED) while enroute. Officer Hoda and Captain Dunigan alternated providing CPR, Officer Burns administered the AED utilizing 2 shocks, and Officer Delaney provided the employee with artificial respiration. Officer Hoda and Captain Dunigan synchronized their CPR chest compressions, ensuring a continuous, uninterrupted blood supply to the employee's brain. They also coordinated their efforts with Officer Delaney to maximize the effect of chest compressions and artificial respiration, and Officer Burns to provide AED shocks to the employee. When the employee was transported to the hospital, she was conscious but disoriented. The rapid response and coordinated effort of Captain Dunigan, Officer Hoda, Officer Delaney, and Officer Burns were truly noteworthy and directly responsible for saving a life.



## Issac Delancey

CHENEGA GLOBAL PROTECTION, LLC

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## Leeanna Dunigan

CHENEGA GLOBAL PROTECTION, LLC

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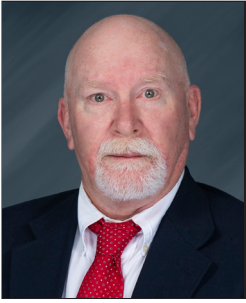


## Barry G. Hoda

CHENEGA GLOBAL PROTECTION, LLC

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# EXCEPTIONAL TECHNOLOGY ACHIEVEMENT MEDAL



**Richard H. Smith**

SACOM

Mr. Richard Smith currently serves as a Senior Software Engineer and System Architect in the Office of Technology Development at Stennis Space Center (SSC). He is a recognized expert in embedded systems, software development, and electrical engineering.

Mr. Smith joined the SSC team over 10 years ago as a consultant providing technical expertise toward the development of the NASA Data Acquisition System (NDAS).

His efforts enabled NDAS to transition from a conceptual idea to an operational reality that is currently deployed across NASA sites including SSC, Marshal Space Flight Center (MSFC), and White Sands Test Facility (WSTF). NDAS is a data collection and analysis software suite that was designed to be modular and customizable. It utilizes a novel hardware abstraction layer that implements capability to support multiple data acquisition hardware platforms. NDAS was also designed to create a common user interface and drive consistency across NASA Centers. Mr. Smith's contributions directly resulted in the development of the NDAS hardware abstraction layer (HAL) and the NDAS calibration subsystem (NCAL). NCAL provides capability to perform automated calibration of data acquisition hardware and requisite tools to identify and correct DAS hardware issues. In addition to advancing propulsion test data acquisition capability at SSC, Mr. Smith's efforts have provided data acquisition capability across

the Agency, with NDAS installations at the WSTF 300 area and at the MSFC test stand 115, 116, and 400 areas. In support of the RS-25 test program, Mr. Smith expanded the NDAS software suite capability beyond its primary data collection and analysis role to include automated control capability. One of the objectives of the RS-25 engine for the Artemis program is to reduce cost and schedule by optimizing modern manufacturing techniques and reducing complexity of manufactured components. Those newly designed components require gimbal testing to verify that they meet the design requirements. To accomplish this, the SSC Thrust Vector Control System was designed and built to implement gimbal testing during RS-25 hot fire ground test. Mr. Smith was the primary software system architect for the SSC Thrust Vector Control System (TVCS), and his TVCS software provided a modern capability and interface for test operators to plan and execute customizable gimbal pattern sequences. He also implemented numerous safety interlocks and health checks that ensure the safe hydraulic operation of the TVCS. His efforts enabled the SSC test team to successfully perform certification testing of the new RS-25 production engine.

Mr. Smith's efforts have made significant advances to the NDAS and the SSC TVCS that provide the Center with critical capabilities that directly benefit the Rocket Propulsion Test and SLS propulsion test projects located at SSC, MSFC, and WSTF. His contributions exceed all expectations, and he is being recognized as a recipient of the Exceptional Technology Achievement Medal.

# EXCEPTIONAL ACHIEVEMENT MEDAL



## John C. Boffenmyer

Environmental & Health Services

Mr. John Boffenmyer is the NASA Remediation Program Manager (RPM) for Stennis Space Center (SSC). With his recent successes working with Mississippi Department of Environmental Quality (MDEQ) regulators to close three of seven SSC remediation sites, Mr.

Boffenmyer achieved major milestones in the clean-up of historic groundwater contamination. In doing so, he reduced NASA's projected lifecycle clean-up costs—tracked by the agency as unfunded environmental liability (UEL)—by more than \$950K.

Mr. Boffenmyer has consistently maintained the highest levels of performance in his remediation responsibilities, resulting in substantial benefits to the entire Agency. Clean-up operations at the seven sites began in 2002 utilizing Pump and Treat technology to extract and clean contaminants of concern from groundwater at six of the sites and using a passive containment system treating the contamination plume at the remaining site. In addition SSC was tasked with analytical laboratory monitoring of contaminant levels in the groundwater, along with field sampling to measure treatment efficacy. Remediation operations have cleaned more than 42,000,000 gallons of contaminated groundwater, resulting in a cleaner environment and uniformly positive feedback from regulatory agencies during their 5-year reviews. In conjunction with the management of field operations, Mr. Boffenmyer has consistently demonstrated outstanding program management over the course of his tenure.

All audits of the SSC program have been successful and have demonstrated Mr. Boffenmyer's commitment to effective stewardship of taxpayer funds. As RPM, Mr. Boffenmyer has researched and implemented innovative scientific approaches to environmental remediation. He has test-bedded emerging environmental remediation technologies, implementing techniques such as Emulsified Zero-Valent Iron, In-Situ Chemical Oxidation, and Biological Stimulation in order to leverage scientific advancement in the pursuit of the reduction of existing contaminants. The addition of enhanced remediation technologies has dramatically reduced contaminant levels at multiple areas, resulted in expedited site closures, yielding accelerated and substantial benefits to the Agency for both contaminant removal and reduction of Agency UEL. Area D received closure status in 2019 after 18 years of remediation, while Areas A and C received closure in 2022 after 20 years. Based on recent financial estimates, the closure of these sites has reduced Agency UEL by greater than \$950,000. These outstanding, significant results have been lauded by Headquarters staff as they free up funds to be used on other of the many clean-up missions facing NASA.

Numerous coworkers and customers have noted the professionalism and quality of his work. Mr. Boffenmyer's hard work and dedication are integral to the Environmental and Health Services office effectively and efficiently achieving SSC's and NASA's missions.



## Thomas O. Meredith

Office of Chief Engineer

Mr. Thomas Meredith is a Deputy Chief Engineer at the NASA Stennis Space Center (SSC), and during his tenure he has made substantial improvements with regard to the management of test facility hardware in support of the Center's rocket propulsion test operations.

One of the first steps taken by Mr. Meredith in his current role was to lead a diverse SSC team to identify test facility piping, structures, and components that would no longer be needed for future rocket propulsion test activities. Working with NASA and Contractor logistics management specialists, Mr. Meredith led the team to disposition numerous non-essential hardware items, some of which were appropriate for redistribution, resulting in the clearing of substantial space in the E-Complex area. This realized space is now available for customer rocket propulsion test activities and thus increases the utilization of the high-value real estate within the SSC Test Complex. In conjunction with the disposition of non-essential hardware, Mr. Meredith led a team to implement an efficient and effective spares provisioning process in support of rocket propulsion testing. Specifically, Mr. Meredith and his team implemented a hardware storage methodology that uses QR codes to enable the tracking of test facility hardware and components (e.g., valves and regulators) from storage to use at the test facilities. A key achievement of the effort was not only establishing the component location but also inputting the key component engineering data into SSC's Product and Data Lifecycle Configuration Management system. This effort additionally included the implementation and promulgation of mSCIM, which is a mobile phone application used to access component data quickly and easily in the field. The application allows for easy component tracking throughout storage and facility locations around SSC. By establishing the hardware's location and key technical data in the site-wide configuration management system, substantial operational efficiencies have been realized. Namely, component information is accurate, available, and accessible immediately to test operations, engineering, and other project team members, allowing for the efficient identification and use of critical test facility spares. All of these efforts were accomplished in the midst of the COVID-19 pandemic when coordination and collaboration were extremely challenging. Mr. Meredith's leadership and dedication in the management of rocket propulsion test hardware have positively contributed to two Agency areas of emphasis, specifically those targeting the sustainment and modernization of mission-critical facilities and the employment of digital technologies to change and improve a process, product, or capability.

For his outstanding success, Mr. Meredith is being recognized as a recipient of the Exceptional Achievement Medal.



## Kristopher A. Mobbs

Office of Test Data and Information Management

Mr. Kristopher Mobbs serves as a software engineer in the Engineering and Test Directorate where he leads the development of the NASA Data Acquisition Software (NDAS) suite. The NDAS software suite provides for the

acquisition, displaying, and recording of critical data during daily and propulsion test activities. He began his career with the NDAS team as a software developer responsible for the development of the Measurement Database which allows the end user to properly set up each recorded test measurement.

When Mr. Mobbs began working on the NDAS team, the software suite was used exclusively at the Stennis Space Center (SSC) A-2 Test Stand in support of the J-2X Engine Test Program. Due to his demonstrated capabilities and initiative, he was assigned as the NDAS lead. In this new role, Mr. Mobbs proactively engaged with customers and other stakeholders and identified and implemented new capabilities of the NDAS suite. He led development of the software packages in a timely manner and skillfully advanced sprint planning, regression testing, and final release. As a result, the NDAS suite increased the reliability of the test data and the performance of the test team. A direct outcome of his outstanding leadership, use of the NDAS software has now expanded to all of the SSC NASA operated test facilities, including the SSC A-1 Test Stand in support of the RS-25 engine hot fire tests, the SSC B-2 Test Stand where it was used during the Space Launch System (SLS) Core Stage Green Run Test Program, and at the SSC E-1 and E-3 facilities where it has been used to support multiple commercial and government test programs. It will also be used to support upcoming testing of the Exploration Upper Stage. Based on the proven performance of the NDAS suite, the software has been utilized in areas outside of the original data acquisition framework. Mr. Mobbs led the implementation of NDAS in other applications including the Thrust Vector Control (TVC) software for RS-25 engine gimbaling during hot fire, a new redline system to safely stop a hot fire test when a parameter is out of an expected range, and the development of a Calibration Control application to quickly share metrology data with the test stand. Beyond the SSC rocket propulsion test mission, Mr. Mobbs has also expanded the NDAS suite to support programs at Marshall Space Flight Center (MSFC) and White Sands Test Facility (WSTF), garnering costs savings for the Rocket Propulsion Test Program while providing critical services in support of the NASA mission.

His continued dedication and leadership in advancement of the NDAS suite have positively impacted SSC and Agency missions, and he is being recognized as a recipient of the Exceptional Achievement Medal.



## Ryan S. Seals

Mechanical Operations Branch

Mr. Ryan Seals began his career with NASA in August 2016 in the Test Operations Division of the Engineering and Test Directorate, serving as a Mechanical Operations Engineer in the Stennis Space Center (SSC) A-Complex. During his NASA career, Mr. Seals has

proven to be an invaluable asset to NASA SSC, as his expertise has been enjoyed by the A-1 test team responsible for testing the RS-25 engine that powers the Space Launch System (SLS) Core Stage. Mr. Seals is the go-to expert for the A-1 team for all things associated with problem resolution for broken and nonfunctioning components and facility systems.

One example of his invaluable talent in this regard is in relation to the Thrust Vector Control (TVC) system. For a past test series there was a test scheduled that required the use of the TVC system. There was a two-week window available for the team to ensure the system was ready to support the test. There were several performance related problems with the TVC system that occurred during the initial runs of the TVC system that had to be solved. As always, without hesitation or invitation, Mr. Seals began to work the issues in a methodical manner to ensure the facility was ready to meet test/mission requirements. He worked many long and focused hours to mitigate each issue and ensure the system was ready to support the activity. His efforts were successful, and, in turn, the test was successful, yielding high-quality results for the A-1 RS-25 program and the A-1 test team. System and equipment failures seem always to occur at the worst times, often just before a critical operation. Some systems are only used for specialized task operations and or special requirements for testing.

Mr. Seals has always risen to the occasion to solve problems associated with complex, specialized systems, valves, pumps, hoists, etc. There have been many occasions that the team encountered unexpected behavior of one of these items that was sure to delay or scrub an operation leading to a hot fire test or a hot fire test itself, and on all these occasions Mr. Seal's depth of knowledge and unparalleled, innovative trouble shooting skills led the team through these types of challenges to ensure RS-25 program mission success. The Mechanical Operations branch is responsible for overall test and facility operations within the SSC Test Complex. Mr. Seals has steadily elevated his knowledge since becoming a member of the Mechanical Operations Branch to the point that he is able to perform all operations pertaining to testing an RS-25 engine without back-up. A high achievement, he is one of the senior test engineers now providing expert level mentorship to our younger test engineers, ensuring a healthy future for the next generation of rocket testers at SSC. In addition to his assignment on the A-1 facility, when other areas need more manpower for a project load, Mr. Seals always raises his hand to help, even when it means that help will likely occur on night shifts and weekends. He provided much needed depth on the third shift as the B-2 team was preparing the stand and the Space Launch System (SLS) core stage for hot fire testing. Also, he supported his E-1 peers as a commercial partner had a contractor performing steel erection at E-1 on third shift. On both occasions, the teams on the other facilities would not have been able to cover these responsibilities without the help of Mr. Seals.

For his exceptional contributions to the SSC propulsion test mission, Mr. Seals is being recognized as a recipient of the Exceptional Achievement Medal.



# EARLY CAREER ACHIEVEMENT MEDAL

## Huy N. Nguyen

Electrical Operations Branch

Mr. Nguyen began his NASA career at Stennis Space Center (SSC) in 2019 and serves as the Facility Controls Engineer in the Electrical Test Operations Branch supporting the High-Pressure Gas Facility (HPGF) and High-Pressure Industrial Water (HPIW) facility daily operations. These facilities provide the test complex gases such as Helium, Gaseous Hydrogen, Gaseous Nitrogen, and missile grade air, as well as water for cooling the flame produced during rocket engine tests. Mr. Nguyen quickly became familiar with the operations and maintenance of these facilities and had to overcome significant challenges, as the Space Launch System (SLS) core stage testing required these facilities to be working at full capacity for a successful test. Due to his attention to detail and dedication, he was instrumental to the success of upgrades, analysis, and practice runs to mitigate any risks. During wet dress rehearsal runs and two SLS core stage tests, the HPGF and HPIW facilities operated flawlessly. After the SLS testing, Mr. Nguyen led the effort to modernize the HPGF, including upgrading all Programmable Logic Control (PLC), network, and video surveillance equipment. He also made operational improvements as he proposed a new console layout in the operation room and added a supervisory PLC to make plant operations more efficient by centralizing alarm indications and troubleshooting.

Again, he had to overcome significant challenges, as funding for this project was fixed and the post COVID supply chain issue presented significant price increases on the components required as well as longer lead times affecting the schedule. Mr. Nguyen led the effort to overcome each challenge by being in constant communication with PLC suppliers to obtain better lead times and pricing. Other challenges involved working on these upgrades while still being operational, as the flow of gases and rocket engine testing did not stop for the HPGF modernization efforts. As Mr. Nguyen received funding for the project, he wrote detailed Task Orders (TOs) to local SSC contractors to perform the work. TOs Huy wrote include S3 drafting support to document all drawing changes, NASA Data Acquisition Software development to allow monitoring and recording of gas house data, and others supporting the procurement of controls, video, and network equipment. Mr. Nguyen has done an outstanding job keeping up with the cost and schedule of these TOs as well as keeping upper management and stakeholders informed of project progressions.

In his short time at SSC, Mr. Nguyen has earned the respect of his peers, fellow team members and management regarding Facility Controls. His exceptional contributions have demonstrated a strong commitment to the operation and improvement of the support facilities, and he is being recognized as a recipient of the Early Career Achievement Medal.



## Kevin A. Oramous

Mechanical Operations Branch

Mr. Kevin Oramous began his NASA career at Stennis Space Center (SSC) in 2019 in the Mechanical Operations Branch of the Operations Division after working for the SSC support contractor. He was assigned to work in the various E-Complex facilities and high-pressure gas facility. In addition, he supports RS-25 testing, propellant and commodity management, and supported the B-2 Test Stand during the Space Launch System (SLS) core stage Green Run testing.

Mr. Oramous has spent most of his time working with the high-pressure gas facility. The gas house is required to provide 24-hour, 7-day a week support and is considered the backbone of the SSC Test Complex. At the gas house, time is split between repairing equipment in real time and supporting upgrades and process improvements to the system such as the commissioning of new pumps and automation. He investigates any increase in commodity usage to ensure the sitewide gas systems are working properly and there are no unnecessary costs for test customers.

Mr. Oramous was also instrumental in supporting the tie-ins for the new test stand for Relativity Space, Inc. as our commercial customers expand their test capabilities. When Mr. Oramous joined the B-2 test team, he provided renewed energy to the project to assist the team in completing the Green Run testing of the SLS core stage rocket for the Artemis I mission. The primary reason he was assigned to the B-2 team was to help provide facility systems support for the core stage. In that role, he had to quickly learn and understand the various systems interfacing with the core stage vehicle, then proceed to update drawings and coordinate work between S3 technicians and Boeing, a large responsibility for a young engineer. All the while Mr. Oramous worked days, nights, and weekends while adhering to Covid work guidelines, and he volunteered for additional shifts when needed as a dedicated team member. On another project, Mr. Oramous supported E-3 Engine Upper Stage diffuser testing for the Artemis mission. He cross-trained new engineers and helped support the many configurations of the steam injector. He troubleshooted and corrected many issues as systems were utilized, and he performed both LOX transfer and Test Conductor roles. Every hurdle was overcome, and the customer was impressed by the test cadence of the team in providing the valuable data necessary for the EUS diffuser design. In addition, Mr. Oramous supported the buildup of the E-3 Test Stand for both Blue Origin's Mechanical Flex Joint and SMART pump testing. He has exhibited a natural skill and impressive technical expertise in reconfiguring test stands for new test programs. Mr. Oramous has supported RS-25 engine testing as a stand engineer and by pumping Helium from the A-3 bottles back to the A-Complex to support testing. Initially this process had challenges, but he had a stage of the pump rebuilt which allowed the precious commodity to be utilized for testing.

He is being awarded NASA's Early Career Achievement Medal for his significant contributions in testing and support facilities, all of which directly advance NASA's rocket propulsion test mission.



## Jason A. Richard

Engineering Division

Mr. Jason Richard has significantly contributed to NASA's support of commercial propulsion test partners at Stennis Space Center (SSC). As Project Engineer for the Relativity Space Aeon-R Thrust Chamber Assembly (TCA) test at the SSC E-1 test facility, Mr. Richard

significantly exceeded work requirements by ensuring completion of facility design, construction, and activation phases to meet challenging schedule requirements, all while maintaining rigorous quality and safety standards.

During the design phase of the project, Mr. Richard fulfilled the vacated role of Mechanical Design Lead and seamlessly transitioned that critical work after successfully onboarding a new engineer to the team. He subsequently logged many hours of overtime during the construction phase, as he regularly worked night shifts and weekends to work alongside fabricators and construction contractors both at SSC and at the Michoud Assembly Facility (MAF) in New Orleans, Louisiana. Ensuring all parties had the materials, information, and engineering support needed to continuously advance fabrication and installation without delay, it was not unusual for Mr. Richard to make multiple trips between both sites within a single day. He demonstrated seasoned skill in all aspects of his role and regularly interfaced with personnel spanning customer management and engineering, contractors, and NASA safety, engineering, operations, procurement, and management to secure solutions to critical issues with schedule in mind, all while adhering to the highest standards of safety and meeting the technical requirements of the project. Across all project phases, Mr. Richard's engineering and leadership efforts were exceptional and resulted in the execution of a test project that perfectly met the test requirements and schedule needs of the NASA commercial customer. Mr. Richard was detailed to the SSC Strategic Business Development Office (SBDO) to help bridge a divide between the propulsion testing and business development teams. During his time in the SBDO, Mr. Richard utilized his knowledge of both disciplines and made outstanding contributions to both fields to improve propulsion business formulation. Mr. Richard worked with the SBDO and SSC Test Complex teams to make substantive improvements in complex processes. He demonstrated personal initiative and worked long hours to develop software tools and templates to codify those process improvements into standard workflows. His efforts to implement the SBDO IT Strategy has initiated the process to transform business formulation practices across SSC and increased the rigor, consistency, and transparency of those practices.

For his outstanding contributions to the SSC propulsion test mission, Mr. Richard is being recognized as a recipient of the Early Career Achievement Medal.



## Bradley A. Tyree

Mechanical Operations Branch

Mr. Bradley Tyree became a member of NASA's Mechanical Operations Branch in June of 2020 and was assigned to work on the E-1 test facility supporting activities which included ensuring the E-Complex Ultra High-Pressure Gaseous Nitrogen System was prepared for Space

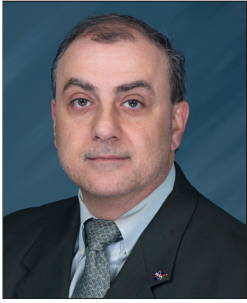
Launch System Core Stage testing on the B-2 Test Stand. This high-profile activity was required due to the challenges associated with supplying the levels of Nitrogen gas necessary to satisfy the core stage Green Run test requirements.

Mr. Tyree quickly became one of the leaders in the effort to perform maintenance on E-Complex Liquid Nitrogen pumps, as well as activation of new gas feed system panels required for reliable performance. As difficulties were encountered, he demonstrated outstanding leadership, technical expertise, and the ability to troubleshoot issues while identifying solutions toward technical success. Mr. Tyree's arrival to the Mechanical Operations Branch occurred at an opportune time for the organization. The group was dealing with personnel challenges associated with the initial wave of the Covid pandemic, and his diverse background quickly identified him as a viable candidate for the engineering rotation assigned to provide 24/7 operational support to the B-2 facility efforts. He also demonstrated a willingness to work any schedule to make the team's effort successful. This typically required Mr. Tyree to work night shifts, during which time he often encountered the most unique challenges. Whether it be dealing with the failure of a facility Environmental Control Unit, an unexpected alarm, or a visiting family of skunks, Mr. Tyree demonstrated methodical strategies to keep meeting project milestones.

While Mr. Tyree was a vital part of SSC's core stage effort, he became an exemplary standout when reassigned to support RS-25 testing on the A-1 Test Stand. In that capacity his core stage experience, combined with his inquisitive nature and infectious enthusiasm, enabled him to quickly integrate into the RS-25 test team. His knowledge of propellant handling techniques, technical system maintenance activities, and test processes proved invaluable and continue serve him during his progression as a Propellant Transfer Engineer and RS-25 Test Conductor. Mr. Tyree has successfully navigated the Qualification process for Liquid Hydrogen (LH) Transfer Engineer, as he continually demonstrates a thorough knowledge of the activity and the ability to successfully devise and implement strategies to achieve the challenging scenarios required to support RS-25 engine development and certification activity. He is currently continuing his progression through the Qualification processes for Liquid Oxygen Transfer Engineer and Test Conductor and is exhibiting a strong drive toward mission success, a commitment to professional enhancement, and an ability to effectively grasp highly technical information. His knowledge of cryogenic propellants, were instrumental to him being named A-1 Process Safety Management Lead Engineer responsible for the facility's LH system compliance with Occupational Safety and Health Administration requirements. Mr. He has been instrumental in advancing process effectiveness through the enhancement of computer-based tools designed to identify potential issues more efficiently.

Mr. Tyree has become one of the most trusted voices within the RS-25 test project regarding facility performance, and he is being recognized as a recipient of the NASA Early Career Achievement Medal.

# SILVER ACHIEVEMENT MEDAL



## Gregg De Felicibus

Procurement Services Division

Mr. De Felicibus serves as a Contracting Officer for the Center Management Support Division within the Office of Procurement (OP) in support of advancing Space Exploration and NASA's strategic goals. As a Contracting Officer he is responsible for the award and

management of five critical contracts for services valued at over \$18.6 million. Since joining NASA in 2013, Mr. De Felicibus has exemplified NASA's core values of safety, integrity, teamwork, excellence, and inclusion, served as an advisor to senior leaders and a mentor to his peers, supported the Small Business Office in achieving its socio-economic goals, awarded, and administered over \$43 million in contracts, and negotiated over \$5.7 million in cost savings.

Mr. De Felicibus exemplified excellence and teamwork when SSC's Center Operations and Engineering Test Directorate (ETD) had difficulty obtaining critical heavy and utility equipment to support ongoing test complex mission needs. Previously established Blanket Purchase Agreements (BPAs) and rental agreements were costly, and the response time was slow, especially in an emergency, as the equipment must be mobilized for each use and the contractor must provide an equipment operator. Purchasing the required equipment is not a viable option as the equipment is expensive and needs consistent maintenance. Using his vast experience, Mr. De Felicibus researched available options and identified the General Services Administration (GSA) Short Term Rental (STR) program as an option to the existing process, and collaborated with Center Operations, ETD, the SSC Fleet Manager, and GSA representatives and determined the STR program is a viable option to fulfill SSC's equipment needs. Under the STR program, lease agreements and the monthly payment process are established directly with the Center Fleet Manager. Mr. De Felicibus executed the STR process with the one-year lease of an 80-ton crane to support Center Operations. He coordinated with the SSC Fleet Manager to establish an account and a Billing Office Address Code (BOAC) and the Center Operations and ETD representatives in establishing a payment account. Mr. De Felicibus guided the customer through the requirements development process and posting on GSA's STR portal. Upon receipt of the proposals, he assisted with the evaluation and documentation. The process proved very successful, and an agreement was established within one week and resulted in significant cost savings of \$7 thousand monthly/\$84 thousand annually in comparison to previous procurement efforts. The GSA STR program provides multiple benefits to NASA and SSC, specifically, GSA supplies new equipment that will remain on-site and will be available for immediate use, mobilization and demobilization costs are eliminated, preventative maintenance are included in the agreement, the process is very efficient and responsive to the customer's needs as the acquisition lead time for new equipment is significantly reduced, and finally, the program leverages existing service delivery capabilities that allows SSC procurement personnel to focus on other agency priorities.

It is without reservation Mr. De Felicibus' demonstrated performance supports NASA's core values and sets the example for others to follow as he continues to be critical to the overall success of SSC's Office of Procurement.

## Roy D. Lee

Digital and Analytics Services Division

During the Mission Support Directorate's Transformation effort (referred to as MAP), Information Technology (IT) representatives from NASA's Mission Support Enterprise Offices (MSEOs) began meeting together to improve the Agency's ability to optimize the way we work. Since May 2019, IT Systems Transformation representatives have met quarterly to present IT portfolio content, rationalization plans, and ongoing process transformation activities for awareness and integration. In February of 2023, the ITST core team members transitioned to a ITST WG responsible for recommending an integrated technology strategy for all of NASA and providing a recommended prioritization of technology requirements to support this strategy. The ability to provide well-integrated technology proposals requires a well-developed understanding of the Agency's system requirements and priorities (needs, goals, and objectives) and development of effective solutions (management and business systems that satisfy the integrated requirements and priorities) to ensure IT service delivery excellence within NASA.

As the primary OCHCO representative, Roy Lee has developed a detailed technology roadmap that has been shared across the MSEO community and enabled greater synergies and efficiencies across the global technology functions. Roy's commitment to developing an integrated MSD technology roadmap in alignment with the Agency's Enterprise Architecture is clear in his continued engagement with ongoing assessments of the current technology capabilities. Roy consistently looks for requirements and common needs that could optimize the Agency's performance, as well as helping to address the current process issues we face. Roy has been a key participant in developing and prioritizing a list of cross-functional processes that once standardized, can improve process efficiencies and effectiveness across the Agency.

Roy's continued engagement as both a leader and participant in the ITST supports NASA's core values of Teamwork, Inclusion, and Excellence.

# AWARDS AND RECOGNITION

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## **NASA Outstanding Leadership Medal**

This prestigious NASA medal is awarded to any government employees for notable leadership accomplishments that have significantly influenced the NASA mission.



## **NASA Exceptional Service Medal**

This prestigious NASA medal is awarded to any government employee for sustained performance that embodies multiple contributions which contribute to NASA projects, programs, or initiatives.



## **NASA Exceptional Public Service Medal**

This prestigious NASA recognition is awarded to non-government individuals or to an individual who was not a government employee during the period in which the service was performed for sustained performance that embodies multiple contributions on NASA projects, programs, or initiatives.



## **NASA Exceptional Bravery Medal**

This prestigious NASA medal is awarded to both government and non-government individuals for exemplary and courageous handling of an emergency by an individual who, independent of personal danger, has acted to prevent the loss of human life and/or government property.



## **NASA Exceptional Technology Achievement Medal**

This prestigious NASA medal is awarded to government or non-government individuals for exceptional technology contributions.



## **NASA Exceptional Achievement Medal**

This prestigious NASA medal is awarded to any government employee for a significant specific achievement or substantial improvement in operations, efficiency, service, financial savings, science, or technology which contributes to the mission of NASA.



## **NASA Early Career Achievement Medal**

This prestigious NASA medal is awarded to any government or non-government employee for unusual and significant performance during the first ten years of an individual's career in support of the NASA mission.



## **Silver Achievement Medal**

This prestigious NASA medal is awarded to any government or non-government employee for a stellar achievement that supports one or more of NASA's core values, when it is deemed to be extraordinarily important and appropriate to recognize such achievement in a timely and personalized manner.

## **Group Achievement Award (GAA)**

This prestigious NASA certificate is awarded to any combination of government and/or non-government individuals for an outstanding group accomplishment that has contributed substantially to NASA's mission.



# NASA CORE VALUES

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## **SAFETY**

NASA's constant attention to safety is the cornerstone upon which we build mission success. We are committed, individually and as a team, to protecting the safety and health of the public, our team members, and those assets that the Nation entrusts to the Agency.

## **EXCELLENCE**

To achieve the highest standards in engineering, research, operations, and management in support of mission success, NASA is committed to nurturing an organizational culture in which individuals make full use of their time, talent, and opportunities to pursue excellence in both the ordinary and the extraordinary.

## **TEAMWORK**

NASA's most powerful tool for achieving mission success is a multi-disciplinary team of diverse competent people across all NASA Centers. Our approach to teamwork is based on a philosophy that each team member brings unique experience and important expertise to project issues. Recognition of and openness to that insight improves the likelihood of identifying and resolving challenges to safety and mission success. We are committed to creating an environment that fosters teamwork and processes that support equal opportunity, collaboration, continuous learning, and openness to innovation and new ideas.

## **INTEGRITY**

NASA is committed to maintaining an environment of trust, built upon honesty, ethical behavior, respect, and candor. Our leaders enable this environment by encouraging and rewarding a vigorous, open flow of communication on all issues, in all directions, among all employees without fear of reprisal. Building trust through ethical conduct as individuals and as an organization is a necessary component of mission.

## **INCLUSION**

NASA is committed to a culture of diversity, inclusion, and equity, where *all employees feel welcome, respected, and engaged*. To achieve the greatest mission success, NASA embraces hiring, developing, and growing a diverse and inclusive workforce in *a positive and safe work environment* where individuals can be authentic. This value will enable NASA to attract the best talent, grow the capabilities of the entire workforce, and empower everyone to fully contribute

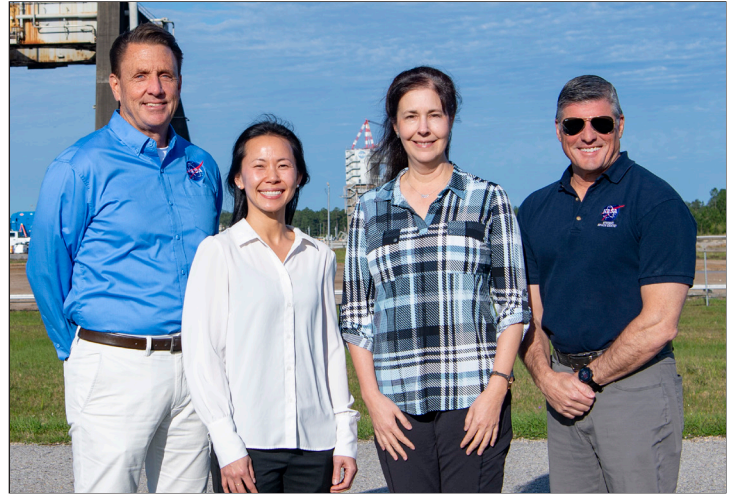
At NASA, we define diversity broadly as the entire universe of differences and similarities. Additionally, we define inclusion as the full participation, belonging, and contribution of organizations and individuals.

By fostering an atmosphere of inclusion and respect for all, we can continue to value and appreciate the strengths afforded by both the commonalities and differences between us, not only our inherent differences but also in the styles, ideas, and organizational contributions of each person. This in turn will drive innovation, creativity and employee engagement.

# GROUP ACHIEVEMENT AWARD

## A-2 Test Stand Enhanced Use Lease Agreement Team

This cross-organizational team worked diligently from December 2021 through July 2023, implementing an Enhanced Use Lease Agreement (EULA) with Relativity Space, Inc. (RSI), a commercial propulsion provider, for the A-2 Test Stand and 30 acres of surrounding Land. This EULA leases this historic test stand, an underutilized test facility that last performed testing in April 2014 for the J-2X Engine, to RSI, enabling access to a facility intended for testing their Terran R 1st Stage launch vehicle. The A-2 Test Stand is currently designed to conduct engine testing, having been converted in the 1970s from its original design when it first performed Apollo 2nd Stage testing. The conversion back to a stage test stand brings this facility back full circle to its original intent and demonstrates the versatility of the original construction design to serve both stage and engine test needs. This EULA encompasses an area east of the E-2 and E-4 Test Complexes, where RSI is already conducting propulsion testing, and south of the Terran R Test Complex, where Relativity is currently constructing a new engine test stand to support testing for their Aeon R engine intended to power their Terran R launch vehicle 1st and 2nd stages. Many hours of hard work and close coordination with the NASA Headquarters' Office of Strategic Infrastructure and RSI were critical in defining the technical, legal, and financial requirements and establishing the EULA. Extensive knowledge gained from working previous agreements, dedication to excellence, and diligence of the team were instrumental in establishing this EULA.



### **NASA**

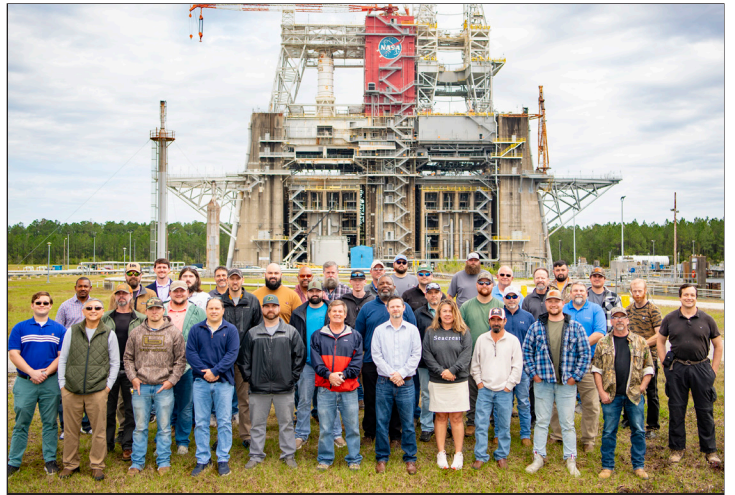
Leslie L. Anderson  
Andrew L. Clarke  
Kimberly S. Driebergen  
William E. Driebergen  
Rachel S. Harrison-Woodard  
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## B2 EUS Construction and Fabrication Team

NASA, Jacobs Engineering, and Syncom Space Services personnel designed, fabricated, and installed the following facility systems at the Stennis Space Center B-2 Test Facility to support Green Run testing of the Exploration Upper Stage (EUS) prior to its integration with the Space Launch System Artemis IV rocket and launch from the Kennedy Space Center: Liquid hydrogen system activation fill, feed, bleed, drain, fire & gas detect, and vent systems; Liquid oxygen system activation fill, feed, bleed, drain and dump systems; Sea-Level Plume Management System; High Pressure Industrial Water diffuser, aspirator, FIREX systems; Environmental Control Systems modifications; EUS Forward Access Tower; Interstage Simulator; Facility lighting and, Variable Frequency Drives, Programmable Logic Computers modifications and EMCS equipment relocation; South Central Pier Refurbishment of Levels 7 through Level 10; Installation of the EUS Stage Controller Level 6 UPS System; Modifications of the Low-Speed Data Acquisition and High-Speed Data Acquisition Systems; 15-20 various commodity gas stations on 8 panels; Various access platforms.



The B-2 Green Run team is commended for designing, fabricating, and constructing the facility hardware systems and special test equipment necessary to maintain the scheduled path forward to activation and the eventual Green Run Test Series for the Exploration Upper Stage of Artemis IV.

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## Building 1111 Consolidation Team

Stennis Space Center and the NASA Shared Services Center (NSSC) partnered in an initiative to consolidate NASA occupied space on the campus at Stennis. The vision, possible due to the post-COVID embrace of telework, included a 2/3 footprint reduction of NSSC space within Building 1111. Stennis would backfill the two floors left vacant by the NSSC move, enabling the demolition of the 1960's era Center section of Building 1100. The result would be a significant reduction in NSSC overhead cost to the enterprise, cost avoidance of construction of a new facility to host Stennis, and the elimination of high dollar facilities O&M associated with upkeep of a large, end-of-life facility.

The NASA consolidation into Building 1111 reduced the total square footage of office space occupied by NASA by 143,000 square feet. This reduction represents \$3M of cost in the Stennis Occupancy shared pool business model. NASA-NSSC realized an immediate savings of \$2.2M as a result of their square footage reduction. As sections of Building 1100 were vacated, services were reduced/eliminated. An initial reduction in services saved \$1M of cost to the shared pool. Further savings will be realized when demo is executed starting next fiscal year. Other demolition projects associated with the consolidation effort will further reduce footprint by an additional 11,221 square feet.

The team that executed this effort did so with unusual speed. The effort started as a pilot between the NSSC and SSC Center Operations in November 2022. NSSC cleared space in Building 1111 for Center Operations to conduct a three-month experiment focusing on telework, hoteling and collaboration. The employees captured lessons learned, tested various configurations for collaboration and shared space, and ultimately proved the kind of reduction imagined was feasible. Having shared the results of the pilot, both Centers moved quickly. In a two-month period, at minimal cost, the NSSC staff moved to a single floor embracing a neighborhood model they created. Hotel NSSC was born at the start of 2023. Over the six months that followed, SSC staff moved in waves into their new home adopting a variety of models that best suited their functions. By August, Building 1100 was vacated and the design contract for its demolition was awarded. The effort has included not only the reduction of office space, but the digitization of records eliminating file rooms, the consolidation of networks and data centers, and the sharing of duplicative facilities like conference rooms and mailrooms. Over a six-month period, the NSSC destroyed 13 tons of legacy paper records and SSC destroyed over 16 tons. The effort has taken a village – starting with two leadership teams with the vision and courage to initiate change and realized by two workforces willing to embrace and thrive in new environments. It has taken a cadre of planners and project managers, engineers and accountants, logisticians and IT problem solvers, furniture movers and architects.

In six months, the employees of Stennis and the NSSC planned and executed the most significant workspace change in the Center's history. All employees played a part. Those recognized here led the charge.



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## Future State Initiative and Transition Team

For the team's outstanding leadership and strategic thinking in facilitating effective change in the adoption of new test paradigms as identified in the Engineering and Test Directorate Future State Initiative and the continued commercialization of Stennis Space Center (SSC) propulsion test assets among all effected parties.

A critical effort for the SSC test complex has been the Future State Initiative, which is intended to help define a strategic plan for the future of how propulsion test will be performed at SSC. After a thorough study period, the directorate defined leaders, teams, and a management process for the execution of these plans. This team was instrumental in the directorate's transition of the FSI from the planning stage to tactical execution, leading to the creation of sixty-five defined actions to be implemented over the next several years. Many of these activities are moving toward study, design, construction or implementation, and these will be critical to the success of the future state. Major accomplishments have been made in several key areas, which include but are not limited to: the A-1 cryo trailer offloading design that will enable lower cost cryo operations for the test complex; liquid methane tank foundation design at E-1, enabling future Methane capabilities for test customers; design and development of a new commercial test area in the cryo area, enabling for the first new test position at SSC in decades; release of the new Gaseous Nitrogen generation capability procurement; and the design and development for the return of welding, machining, and component cleaning capabilities.

The team's collective exceptional actions have laid a firm foundation for the future of propulsion testing at SSC.



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## RS-25 Critical Spare Component Removal Team

The A-1 and A-2 test stands were built in the 1960s for the Apollo Program, have very similar systems, and have supported the same test programs through the decades. These similarities have allowed each stand to serve as a source of “ready spares” for the other. With the transition of A-2 to a commercial partner with plans to convert to a stage test stand, many of the engine testing heritage systems were not needed. The A-1 test team recognized the opportunity to remove critical RS-25 spares, and the team identified and removed items such as: patch panels, patch cords, RTD’s, intercom components, aural warning system components, drag on cable connectors, fire and gas detect Programmable Logic Controllers (PLCs), 28VDC rectifiers, PLC modules, motor valves, flowmeters, cameras, filters, regulators, solenoid valves, cryo butterfly, cryo globe valves and various facility pressure panels. The removed components will serve as critical spares for the RS-25 program and are expected to save more than \$1M in hardware costs. Additionally, many of these components have extremely long lead times if purchased new and are expected to save up to 50 weeks of schedule if existing critical A-1 components fail. The A-1 test team had a very tight timeline to identify and remove these components, working long hours in record heat to ensure the systems were secured, components were safely removed, and then stored appropriately for future use. The team did an outstanding job of communicating and coordinating with the commercial partner to meet the schedule and are commended for their diligence in ensuring RS-25 has the critical spares needed to complete development engine testing in FY24 and begin production engine testing in FY25. These spares will help ensure engine testing on A-1 can be completed on schedule, delivering the production RS-25 engines to power the Space Launch System rocket to the moon and beyond.



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## RS-25 E10001 Certification Test Series Team

The successful completion of the Certification Test Series on Engine 10001 (E10001) was a major accomplishment for the SSC A-1 test team. This was the fifth test series in the development of the new RS-25 engine that will power the Space Launch System (SLS) astronauts deeper into space than ever before. The Certification Test Series involved 13 hot-fire tests of RS-25 Certification E10001 for a total of 6,779.5 seconds in a timeframe of only seven months from December 2022 through June 2023. This series featured a new nozzle, powerhead, low-pressure oxidizer turbopump, actuators, and sensors. It was also the first time the RS-25 was gimballed during a hot-fire test. With the new RS-25 engine hardware being developed, it is critical to test this hardware like it will be flown. The SSC test team worked closely with the engine contractor, Aerojet Rocketdyne, and the SLS Liquid Engine Office to ensure the facility met all the requirements to test E10001 through the various profiles needed for each component. The team did an outstanding job to safely conduct the required 13 tests, the longest of which was 720 seconds. The team performed analysis of all facility data between tests and worked any issues ensuring no facility issues delayed the test series and delivered all test data to the customer in the time required. The team is now ready for the installation of development Engine 0525 in the Summer of 2023 to begin the final test series needed for certification of the new RS-25 engine.

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## RS-68 Test Stand Closeout Team

The RS-68 Test Stand Closeout Team at Stennis Space Center (SSC) is being recognized for the successful completion of the closeout of the RS-68 Engine Test Program and return of the B-1 Test Stand operation from Aerojet Rocketdyne to NASA. The RS-68 program has utilized the NASA B-1 test facility since the execution of a Reimbursable Space Act Agreement (RSAA) on May 18, 1998, through termination of the Agreement on August 31, 2023. Over these 25 years, the tenant modified the test stand specifically to test the RS-68 engine and then maintained and operated the B-1 Test Stand. During this time, approximately 341 hot-fire engine tests were performed on the B-1 Test Stand for a total run time of approximately 58,672 seconds, delivering 77 flight certified production engines to power the Delta IV Launch Vehicle. These engines powered 44 launches, including 15 heavy launch configurations using three core vehicles and three engines, with one launch remaining as of August 21, 2023. The RS-68 Test Stand Closeout Team personnel recognized were responsible for the successful transition of the stand back to NASA after 25 years of tenant occupation. Major activities included draining both the LH and LOX run tanks, isolating all cryogenic, gas, and vent systems on B-1 from B-2, removing tenant property from the stand, transferring required property from the tenant and/or their customer to NASA, identifying desired configuration of the various test stand systems at final turnover, performing said configuration changes, documenting final configurations, transferring data/drawings/etc. from the tenant to NASA, and final financial closeout activities. This team accomplished all turnover activities on time and within budget. Completion of this effort affords NASA new opportunities to utilize the B-1 facility in the future as SSC advances its propulsion test mission.



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## RSI AEON R TCA E-1 Test Team

NASA and Syncom Space Services (S3) personnel worked closely with Relativity Space, Inc. (RSI) personnel to develop detailed test requirements and objectives, perform facility buildup, support test article integration, conduct test activities, and provide data collection and analysis while meeting the customer's cost and schedule constraints. This diverse group of designers, engineers, specialists, and support staff worked together to refine customer requirements and produce designs that could be fabricated and installed within project cost and schedule constraints. As a result, the team completed 60 tests for a total test time of 607 seconds from December 2022 through June 2023. Their extensive knowledge and experience, dedication to excellence, tireless efforts, and constant vigilance were critical to meeting all project test requirements.

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Chad W. Parker  
Kevin D. Parker  
Todd A. Pearson  
Buford Perry  
Bernie Peterson  
Nicholas R. Phelps  
Kenneth L. Powe  
Christopher W. Quinn  
Mitchell W. Railey  
Angelle Reed  
Alvin B. Richard  
Edward J. Rocha  
Bobby J. Rodriguez  
Stephen E. Rose  
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Dakota T. Saucier  
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Timothy S. Seals  
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Darrin R. Steber  
Matthew W. Steed  
Mary Subat  
Joshua P. Tarter  
Torey G. Tarter  
David Terrell  
David M. Thomas  
Courtney L. Thoms  
Christopher M. Touchstone  
Robert D. Turgeau  
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Richard G. Vaughan  
Terry W. Wactor  
Karmela J. Wahl  
Gavin Walters  
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Raymond J. Williams  
Ryan A. Williams  
Shelbie L. Williams  
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Samuel E. Wright  
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Rickie C. Zerkus  
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## **SHETrak System/STAR Transition Team**

The Safety, Health, and Environmental Tracking (SHETrak) System/ System for Tracking Audits/Assessments, and Reviews (STAR) Transition Team is being recognized for their outstanding contributions in the successful year-long transition from the SHETrak system to the STAR used to record safety and quality inspections and manage safety findings for Stennis Space Center's (SSC's) test and institutional facilities. The Transition Team consisted of the Office of Safety and Mission Assurance (OSMA) STAR Development Team, SSC Safety and Mission Assurance (SMA) Directorate personnel, SSC SMA support contractor personnel, and SSC Operations and Maintenance contractor personnel. Due to the increased costs of using the SHETrak system, it was imperative that Stennis move to STAR, an OSMA-owned system. The Transition Team met regularly to ensure SSC's requirements were captured accurately and addressed issues and concerns as they arose. The STAR development team developed and implemented enhancements to the STAR application to migrate SSC data into STAR and provide more capability for SSC users. They also created a closed loop system between STAR and Maximo which is used to create and track work orders until completion. The integration between STAR and Maximo allows information to be shared between the two systems to effectively track findings to closure. The SSC personnel tested each enhancement and provided timely feedback to the STAR developers for further modifications, when required. They also provided pertinent SSC information needed during the transition, created training materials, and conducted training sessions for SSC employees. The Transition Team operated in a cohesive manner to get the transition completed on time. Their dynamic efforts allowed SSC to transition to a more robust electronic system that not only meets SSC's needs but allows for expansion and use of new capabilities in the future. STAR is no cost to centers for use or maintenance which results in both a cost savings and avoidance for SSC.

### **NASA**

Ronald W. Good  
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Matthew R. Scott  
Karen L. Vander  
Lindsey F. Wilford

### **Support Team**

Jeffrey J. Barros  
Nattawan Chamnankha  
Angela M. Costello  
Nancy A. Koehler  
Latisha G. Ladner  
Reina McCuskey  
James R. Mirandy  
James Murawski  
Joshua H. West

## Stennis COVID Response Team

The Stennis Space Center (SSC) COVID Response Team (CRT) provided exceptional leadership to SSC's COVID response, providing public health, medical, and legal expert advice to the SSC senior leadership and workforce to limit on-site virus spread throughout the pandemic and lockdown. The multi-discipline team, comprised of members from occupational health, the medical clinic, emergency management, environmental, safety, engineering, and legal, assessed, tracked, and responded to the virus trends in the local community and at SSC. They developed and implemented proactive safe work measures for the SSC workforce and provided sound recommendations to SSC senior leadership. The CRT implemented SSC guidance using the latest data and policies from the Centers for Disease Control and Prevention (CDC), as well as HQ NASA, for COVID controls and safety measures to protect the workforce. They developed protocols for return to on-site work and ensured flexibility in responding to the numerous changes to the medical clearance guidelines from the CDC. The team specified and procured personal protective equipment to combat this new threat. They posted information signs throughout the site and created an SSC intranet site with the information. The CRT implemented safe use protocols to return common areas to use such as conference rooms, dining, and general assembly areas. The CRT worked directly with the SSC clinic to identify and quarantine positive COVID cases and close contacts, establishing when they could safely return to on-site work. These efforts were instrumental in protecting the mission essential workforce at SSC, as well as at home. The CRT and the clinic managed the quarantining and subsequent return to work for over 1240 close contacts and positive cases. They also developed metrics for site status and tracked case rates, community testing and vaccination percentages for the surrounding communities. They routinely compiled data from the CDC and the Mississippi and Louisiana Departments of Health, placed it into a usable format, and kept leadership continually informed of the virus spread trends and hospitals utilization, to enable decisions affecting site status as SSC transitioned from site closure and restarted activities. Paramount in these initiatives was the implementation of safe work measures supporting the NASA critical Core Stage Green Run. The occupational health team members determined configurations for test control centers, HVAC system settings, placement of hand sanitizers and cleaning supplies, and social distancing/mask wear practices for test personnel. They tested touchless health screening/temperature kiosks in the test operations areas. The CRT piloted the Agency's FitBit program to measure pulse oximetry, respiratory rate, heart rate, and symptom surveys for early identification of COVID positive employees. It developed and implemented the SSC COVID-19 Rapid Testing program to screen essential/critical employees and safely shorten quarantine times. The team implemented SSC's COVID Vaccination program, the first in NASA, vaccinating 410 mission critical employees. This and the other measures ensured the success of the Core Stage Green Run. The team implemented enhanced cleaning and disinfecting of common areas. For example, they researched and procured electrostatic foggers to help disinfect, which were lauded by the custodial staff and shared to other NASA Centers. The CRT developed a tiered isolation and disinfection protocol for the safe release of a work area following a COVID case; the approach was adopted by HQ NASA. Team members researched and disseminated virus information, including holding a town hall, helping allay the uncertainty and fear of the SSC mission essential workforce remaining on site during the early days of the pandemic. The Federal Administration ended the Public Health Emergency on May 11, 2023, and the CRT was retired, serving now on an "as-needed" basis. The Center has documented the CRT model



to respond to future emergency situations. The tireless dedication, contributions, and exceptional support throughout the multi-year COVID-19 pandemic reflect great credit upon the COVID Response Team, SSC and NASA.

### NASA

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Michael A. Pannell  
Davin E. Rieke  
John N. Schreck  
Shannon A. Sharkey  
Neil S. Toupin  
Christina P. Zeringue

### Support Team

Brandie R. Carroll  
Rowe S. Crowder  
Tasia B. Henton  
Hayleigh McCardle  
William B. Ritchie  
Lacie R. Walters



# Ursa Major Pre-Burner Test Project Team

The Stennis Space Center (SSC) and Ursa Major Pre-Burner (PB) Project Test Team worked diligently from December 2021 to January 2023 to design, construct, and activate Test Stand E-1 Cell 2 to conduct test operations for the Ursa Major Newton Engine PB, supporting the development and enhancement of the Ursa Major Ripley Engine. The SSC and Ursa Major team worked closely to address the many challenges of designing and constructing the piping and support systems in a minimal amount of time to operate safely at the required pressures and flowrates. Test project Authority to Proceed was given on November 15, 2021, and the team conducted the first test in June 2022 and a total of 38 tests for 144.3 seconds, completing the last test in February 2023. The team was able to meet and exceed expectations to complete requirements generation, procurements, design, buildup, and activate the new Special Test Equipment (STE) while staying on time and within budget. The design and construction techniques implemented, and the analysis and modeling performed, were all proven successful and effective during the activation and test operations of the facilities, allowing testing to proceed safely at minimal risk and as quickly as possible. The SSC and Ursa Major team worked extremely hard and showed great dedication during many long days and nights, conducting activation and test operations on a shared basis with other customers using the same E-1 Test Stand. The SSC team was able to provide the customer with valuable data that led to impeccable feedback and reviews from the Ursa Major team. Overall, the team performed above and beyond all expectations in the execution of this test series and is being recognized for their dedication and outstanding performance.

## NASA

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Melissa M. Huggins  
Truc T. Le  
Jeffrey W. Lott  
Ryan J. McKibben  
Christopher A. Mulkey  
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Stephen D. Rawls  
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Richard F. Wear  
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## Support Team

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Byron B. Bordelon  
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Samuel J. Clay  
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Jeret C. Howard  
James R. Hudnall  
Anthony C. Jackson  
Kurt A. Jarrell  
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Michael G. Johnson  
Marcella B. Jones  
Micah L. Jones  
Tamika Jones  
Yancey Y. Jordan  
Chadwick D. Ladner  
Dustan J. Ladner  
Gregory P. Ladner  
Jody D. Ladner  
Malcolm C. Ladner  
Eric P. Lichtenstein  
Paul B. Lusich  
Derek Martin  
Bruce E. Matthews  
Ronnie McGowan  
Jacob L. McKinley  
Jimmy T. Meitzler  
Lori Mills  
Mark A. Mills  
Timothy L. Mitchell

Gerald F. Moran  
Nicole S. Narvaez  
Robert J. Necaize  
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Carley G. Odom  
Curtis D. Olive  
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Kenneth L. Powe  
Angelle Reed  
Bobby J. Rodriguez  
Karissa Rolfe  
Larry Saucier  
Grant M. Shaw  
Mary C. Shaw  
Michael L. Shaw  
Robert A. Sheaffer  
Andrea M. Skok  
David J. Slavinsky  
Garett Smith  
Stacey T. Smith  
Darrin C. Spansel  
Matthew W. Steed  
Mary Subat  
Carmalee F. Tarter  
Joshua P. Tarter  
Stacy L. Tarter  
Torey G. Tarter  
Courtney L. Thoms  
Terry W. Wactor  
Karmela J. Wahl  
James B. Williams  
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Shelbie L. Williams  
Thomas H. Wolfe  
Daymond C. Wood  
Rickie C. Zerkus  
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## Virgin Orbit N3.2 Engine Test Project Team

The Stennis Space Center (SSC) and Virgin Orbit Engine Project Team worked diligently from July 2021 to October 2022 to design, construct, and activate Test Stand E-1 Cell 1 to conduct test operations for the Virgin Orbit 75,000 lbf Newton 3.2 Engine. The SSC and Virgin Orbit team worked closely to address the many challenges of designing and constructing the piping and support systems in a minimal amount of time to operate safely at the required pressures and flowrates, all while negotiating the procurement challenges associated with material shortages. Test project Authority to Proceed was given on July 14, 2021, and the team conducted the first test in April 2022 and a total of 17 Tests for 2,204.7 seconds, completing the last test in October 2022. In this short period of time, the team was able to complete requirements generation, procurements, design, buildup, and activate the entirely new Special Test Equipment. The team conducted extensive analysis and modeling to ensure the test sequence would be successful from the start of operations. The design and construction techniques implemented, and the analysis and modeling performed, were all proven successful and effective during the activation and test operations of the facilities, allowing testing to proceed safely at minimal risk and as quickly as possible. The SSC and Virgin Orbit team worked extremely hard and showed great dedication during many long days and nights, conducting activation and test operations on a shared basis with other customers using the same E-1 Test Stand. The test campaign ended abruptly when Virgin Orbit unexpectedly terminated testing operations, but from start to finish the team performed above and beyond all expectations in the execution of this test series and is being recognized for their dedication and outstanding performance.



<b>NASA</b>	<b>Support Team</b>				
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Kimberly S. Drievergen	Vicki B. Ard	Wyatt D. Davis	Wilmon D. Henderson	Thomas Martin	Darrin C. Spansel
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Paula L. Hensarling	Stephen F. Beasley	Anthony Dickerson	Mack R. Hester	Ronnie McGowan	Devin M. Spence
Melissa M. Huggins	Glen D. Beech	Phillip K. Dossett	Darwyn J. Hilsher	Jacob L. McKinley	Johnnie M. Spence
Truc T. Le	Larry J. Beech	Joni L. Dumas	Petter J. Hobgood	Timothy J. Miller	Jonathan B. Spence
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Ryan J. McKibben	David M. Blansett	Tait L. Favaloro	Alan S. Hornke	Timothy L. Mitchell	Jared Spiers
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Peyton Z. Pinson	Van A. Bolden	Anthony S. Fleming	William M. Ivey	Dennis K. Necaize	Joshua P. Tarter
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Kevin P. Power	Byron B. Bordelon	Allen Frederick	Anthony C. Jackson	Jay B. Necaize	Torey G. Tarter
Robbie D. Randall	Dwayne C. Brown	Joy Frosch	Daniel W. Jocks	Clayton L. Newbill	David M. Thomas
Stephen D. Rawls	Shelby A. Campbell	Adam J. Fulks	Edward D. Johnson	Paul J. Newton	Courtney L. Thoms
David E. Roberts	Michael Carr	Paul D. Fuller	Marcella B. Jones	Chad Northrop	Richard G. Vaughan
Robert E. Smith	Sarah Chambers	Kerry J. Gallagher	Ricky R. Jones	Carley G. Odom	Nicholas Vitrano
Janice O. Tasin	Brandon H. Clark	Brock Giovenco	Tamika Jones	Curtis D. Olive	Terry W. Wactor
Richard F. Wear	Samuel J. Clay	Richard A. Grimstead	Yancey Y. Jordan	Donald E. Osborne	Karmela J. Wahl
Anita K. Wilson	Blaine Cochran	Bridget Grush	Christopher D. Koch	Timothy J. Osborne	Cleveland E. Whitfield
	Nicholas P. Coleman	Brianne C. Guillot	Cody J. Koenenn	Barnie A. Parker	James B. Williams
	Robert D. Craft	Kenneth J. Hancock	Chadwick D. Ladner	Cameron Parker	Raymond J. Williams
	Eric W. Cranford	Jerry L. Hanna	Dustan J. Ladner	Aaron G. Pearson	Ryan A. Williams
	Jesse G. Crawford	Michael L. Haralson	Gregory P. Ladner	Bernie Peterson	Shelbie L. Williams
	Vearlin W. Cuevas	Charles O. Hariel	Jody D. Ladner	Nicholas R. Phelps	Aaron M. Williamson
	Michael Cummings	Scott Hariel	Malcolm C. Ladner	Kenneth L. Powe	Craig K. Wise
		Larry Hart	Robin L. Ladner	Mitchell W. Railey	Rickie C. Zerkus
			Robin L. Ladner	Bobby J. Rodriguez	Michael A. Zimmerman
			Wendell S. Ladner	Karissa Rolfe	
			Hope M. Ladner Shaw	Mounir Z. Sabbagh	
			Carl B. Lee	Larry Saucier	
			Harlie E. Lee	Timothy S. Seals	
			Jonathan Lee	Raymond Seymour	
			Joseph R. Lesieur	Grant M. Shaw	
			Eric P. Lichtenstein	Mary C. Shaw	
			Joseph M. Lizana	Robert A. Sheaffer	
			Mills Lori	Andrea M. Skok	

# LENGTH OF SERVICE AWARDS

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## **25 Years**

Valerie D. Buckingham

Scot J. Gressaffa

Thomas E. Jacks

Joseph D. Ladner

Rodney D. McKellip

Sandra L. Mitchell

Deborah S. Norton

Scott M. Olive

Timothy I. Pierce

Diane M. Sims

## **30 Years**

Mary V. Kennedy

Travis A. Sippel

Lavaniel S. Ward

## **35 Years**

Hugh V. Carr Jr.

James M. Cockrell

## **40 Years**

Freddie Douglas







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MSFC-04-2024-G-664672