



Biography

Dr. Edgar G. Waggoner

Deputy Associate Administrator for Programs

NASA Aeronautics Research Mission Directorate (ARMD)

Edgar Waggoner is responsible for translating ARMD's research portfolio requirements and program balance into specific, actionable programs. He also is responsible for integrating the programs with an eye to risk management and implementing best practices across the programs, as well as overseeing and tracking inter-program requirements changes and their impact to the budget.

Previously, Waggoner was director of the Integrated Systems Research Program. He was also on assignment from NASA to the former Joint Planning and Development Office in Washington, DC, where he served as director of the Interagency Architecture and Engineering Division responsible for technical leadership in the development of the Next Generation Air Transportation System (NextGen) Enterprise Architecture, Concept of Operations, and Integrated Work Plan. While on this assignment, he served as a co-author of the Mobility chapter for the National Aeronautics Research and Development Plan.

Waggoner began his NASA career in 1982 as a researcher in the theoretical aerodynamics discipline at NASA's Langley Research Center. He eventually held management positions in Langley's transonic and subsonic aerodynamics branches responsible for planning and supervision of applied computational and experimental research directed at developing aerodynamics technology for advanced civil and military vehicles.

Prior to NASA, Waggoner was a researcher and project engineer with Vought Corporation in Dallas, Texas, where he worked on advanced wind tunnel testing techniques and performed foundational work in the emerging field of computational fluid dynamics.

He has been awarded several NASA Group Achievement Awards and NASA Special Act or Service Awards and has authored or coauthored 44 NASA technical papers, journal articles and conference publications on computational and experimental aerodynamics, and advanced airspace systems concepts. He is an associate fellow of the American Institute of Aeronautics and Astronautics.

Waggoner received a bachelor's degree in aerospace engineering from Auburn University, a master's degree in mechanical engineering from Southern Methodist University, and master's and doctoral degrees in engineering management from George Washington University.



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