

# DAVID S. ECCLES

**DEPUTY DIRECTOR, CENTER FOR SPACE POLICY AND STRATEGY**

**GENERAL MANAGER, NATIONAL SPACE SYSTEMS ENGINEERING DIVISION**



David S. Eccles is deputy director, Center for Space Policy and Strategy, and general manager, National Space Systems Engineering Division at The Aerospace Corporation.

In May 2018, Mr. Eccles was appointed as deputy director of the Center for Space Policy and Strategy at Aerospace (CSPS). He assists the executive director by executing managing the staff and executing day-to-day operations of CSPS.

Eccles also serves as general manager of the National Space Systems Engineering (NSSE) Division. In this role, he is responsible for providing Aerospace's support to senior space decisionmakers in the Pentagon. NSSE's primary role is to provide senior leaders with the highest quality, objective technical support and analysis available.

Eccles joined The Aerospace Corporation in 1983 as a member of the technical staff in the Computer-Aided Engineering (CAE) Department, where he wrote geometric modeling software for thermal and structural analysis and computer graphics simulation software for spacecraft and launch vehicles. In 1987, he became the section manager for software tool development, and in 1991 he was named director of the CAE Department. In 1993 Eccles was appointed director of the newly formed Modeling and Simulation Department, where he directed studies for the Air Force, National Reconnaissance Office (NRO), Navy, and other customers. In this position he helped create system-level simulations for multiple mission areas (satellite communications, enterprise networks, EO remote sensing, and classified systems) and military utility analysis capabilities for Aerospace. From 1986 through 1998, Eccles also provided 3D computer graphics simulation and analysis support for launch failure investigations and other anomaly resolution activities, including the 1986 Challenger investigation. In 2000, Eccles joined the Program Executive Officer (PEO) staff in Rosslyn, VA where he provided technical support for DSP, SBIRS High and SBIRS Low. In 2002, he joined the newly formed Missile Defense Division, assigned as the principal director for Element Acquisition, leading Aerospace efforts supporting the Command, Control, Battle Management, and Communications (C2BMC) program, the integrating ground system element for the Ballistic Missile Defense System. In 2005, he became principal director for Systems Engineering and Integration, leading a laboratory federally funded research and development center/university affiliated research center consortium consisting of eight organizations and more than 40 staff-years of effort solving complex systems engineering issues at the Missile Defense Agency.

The Aerospace Corporation is an independent nonprofit organization dedicated to the objective application of science and technology toward the solution of critical issues affecting the nation's space program.

## Education

Eccles earned his bachelor's and master's degrees, both in civil engineering, from Brigham Young University.

## Affiliations

Eccles is an American Institute of Aeronautics and Astronautics (AIAA) Associate Fellow and has served on the AIAA Technical Committee for Interactive Computer Graphics.

## Honors and Awards

Eccles has been recognized several times for outstanding support to NRO systems. He was also recognized by NASA for his support to the Challenger mishap investigation in 1986.

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