

The Unfolding Digital Transformation Sweeping the Space Enterprise

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While many engineers and subject matter experts have heard the mandate by the USSF to “go digital”, understanding just what that means requires needed insight that prepares them for the inevitable transition. This presentation will explore the details of the “how” to go digital for those who want to learn more about transforming into a digital enterprise. I will also discuss how the USSF is moving to digital by delving into their vision, describing what they want to do and explore what that might mean across a range of activities that they are likely to engage in, and highlight what industry needs to do to be ready.



BIO: Jay G. Santee is vice president, Strategic Space Operations, Defense Systems Group at The Aerospace Corporation. In this role, he leads the company’s activities to pivot the nation’s space warfighting posture by enabling a substantial, positive shift in the lethality and resilience of U.S. space forces. To fulfil this objective, Santee leads the company’s support to the U.S. Space Command, HQ U.S. Space Force, Space Operations Command, Space Training and Readiness Command, the Space Warfare Analysis Center, the Space Security and Defense Program, the Department of the Air Force Rapid Capabilities Office, the Space Rapid Capability Office, the Air Force Research Laboratory, and Project West Wing and the Innovation and Prototyping Directorate of the Space Systems Command Development Corps.

Prior to joining Aerospace, Santee was outcome leader for Resilient Affordable Space at MITRE, where he was responsible for directing and shaping MITRE’s contributions to the national security space enterprise’s fielding of a resilient, affordable space force.

Santee served 33 years in the United States Air Force, retiring as a major general in 2014. Santee’s last assignment was as deputy director of the Defense Threat Reduction Agency. In this capacity, he played a key leadership role in the removal and destruction of declared Syrian chemical weapons materials aboard the MV Cape Ray. Santee’s other assignments in the Air Force included: acting deputy assistant Secretary of Defense for Space Policy, vice commander of the 14th Air Force, Director of the Space Operations Center (now the Combined Space Operations Center), commander of the 21st Space Wing, and operations division chief at U.S. Space Command.

Education

Santee earned a bachelor's degree in geography from the U.S. Air Force Academy, an MBA from Golden Gate University, and a master's degree in national security strategy from the National War College. Santee also completed the Program for Senior Executives in National and International Security at the John F. Kennedy School of Government, Harvard University.

Awards and Honors

Santee was awarded the 2014 Ellis Island Medal of Honor and was invested as a Chevalier de la Légion d'Honneur (Knight of the Legion of Honor), France's highest honor, in 2012.

Affiliations

Santee is an Associate Fellow with the American Institute of Aeronautics and Astronautics.