

Defense, Space & Security
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LEROY E. CAIN

**Manager, Mission Integration & Operations
Commercial Crew Program**



As manager of Mission Integration & Operations for Boeing's Commercial Crew Program, LeRoy Cain manages all aspects of mission requirements for launch, on-orbit, and landing/recovery operations; crew and mission systems; cargo integration; launch vehicle integration; mission management; and overall program integration.

Cain is also the Starliner mission director, and in this role is chair of the Starliner Mission Management Team, with programmatic responsibility and authority for Starliner missions from pre-launch through post-landing recovery.

Prior to his current position, Cain was manager of the Green Run Integrated Product Team for the Space Launch System (SLS) heavy-lift rocket program, responsible for the management and integration of all aspects of the upcoming Green Run hot-fire testing of SLS Core Stage 1. Before that, he was Operations manager for the International Space Station (ISS) program, responsible for executing all operational aspects of the program, including Boeing support in the Mission Evaluation Room at NASA's Mission Control Center, technical performance of operational activities, and coordination of support to the NASA ISS Mission Management Team.

Formerly with NASA, Cain has more than 30 years of experience in human spaceflight program management and operations, including serving as chief of staff to the NASA Associate Administrator for Human Exploration & Operations. In this position, he was also chair of the Exploration Systems Development (ESD) Standing Review Board. His responsibilities included assessment of the major ESD programs: SLS at Marshall Space Flight Center, Multi-Purpose Crew Vehicle/Orion at Johnson Space

Center, and Ground Systems Development and Operations at Kennedy Space Center. He served as chair for a NASA senior-executive review team for these major programs, reporting findings to NASA leadership and provided briefings for other government entities, including the Office of Management and Budget, the Office of Science and Technology Policy, and Congress.

Cain also served as deputy program manager for NASA's Space Shuttle Program from March 2008 through program completion in August 2011. In this role, he shared responsibility with the program manager for the overall management, integration, and operations of the \$3.5 billion shuttle program from NASA's Johnson Space Center in Houston. He also was chair of the Mission Management Team for all shuttle missions.

From 2005 to 2008, Cain was the Space Shuttle Program launch integration manager at Kennedy Space Center, the senior NASA program official responsible for all shuttle activities at the site. Cain was the first non-astronaut to serve in a permanent capacity in this critical position for NASA. Before that, he was a space shuttle flight director in the Missions Operations Directorate, where he specialized in space shuttle launch and landing operations and directed 20 shuttle missions.

A NASA Distinguished Service Medal recipient, Cain began working in the space industry in 1988 as a guidance and control systems engineer at Johnson Space Center. He was certified in five different NASA flight control positions, and served as the Guidance, Navigation, and Control officer for 37 shuttle missions.

Cain is a graduate of Iowa State University with a Bachelor of Science degree in aerospace engineering.

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December 2019