

# Brian Teske

## Exploring Commercial Space Companies and NASA Space Operations for the Existence of Safety Management Systems Theory Attributes

Dr. Brian Teske, a two-time NASA North Dakota Space Grant Consortium fellowship recipient, is a 2020 Ph.D. graduate of the University of North Dakota's John D. Odegard School of Aerospace Sciences; Aviation and Space Studies. He focused his dissertation's research studies on organizational safety systems found in NASA and commercial space operations. The research objective was to create a survey-driven methodology to codify uncovering the Safety Management System Theory attributes. The results produced methods to assist the commercial space industry in implementing a Federal Aviation Administration-sponsored Safety Management System formal safety protocol.

Teske is an airline pilot flying for Delta Air Lines for over 25 years and currently is a Captain and Line Check Pilot on the Boeing 737. Additionally, he serves as the Chief Accident Investigator for Delta's Air Lines Pilots Association, involved in several National Transportation Safety Board investigations. He also currently serves on National committees tasked with developing rules and regulations for the eventual integration of commercial space flight launch and recovery operations into the National Air Space (NAS) for the many launch sites in the United States.

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**Safety Management System in  
Commercial Space**