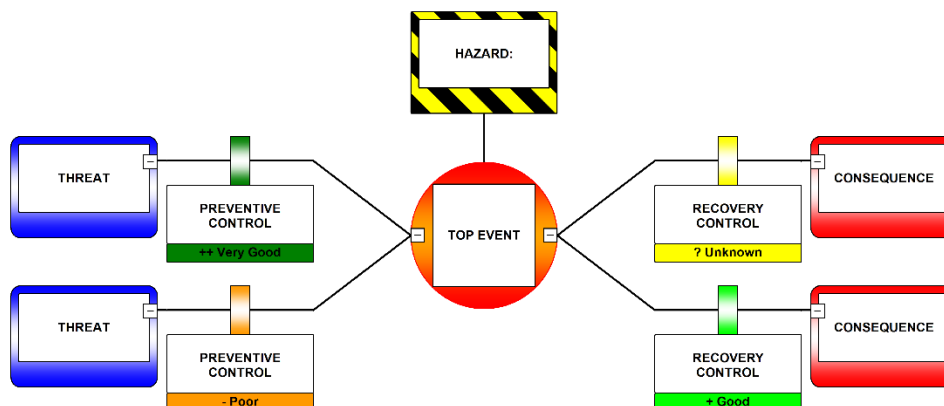


BowTie Risk Management – Risk Visualization in Aviation

Thank you for your interest in the BowTie Risk Management – Risk Visualization in Aviation class being offered 19-20 April in Hurst, Texas. This two-day course is being offered by AeroDirections, LLC and will be held at the Hurst Conference Center in Hurst, Texas, conveniently located 20 minutes west of the Dallas-Ft. Worth (DFW) International Airport.

The BowTie approach to risk management has been used extensively in the global oil and gas industry as well as aviation, health care and other high-risk businesses throughout Europe. It has been somewhat slower to gain recognition in the Americas but has recently gained attention with the growing acceptance of Safety Management Systems (SMS) in aviation and the recognition that SMS is a *risk-based approach* to safety.

BowTie Risk Management is a highly visual method of performing Risk Analysis, Risk Assessment and establishing Risk Controls as outlined in the Safety Risk Management component of SMS. It should be an integral part of an aviation organization's Hazard/Risk Register (Safety Risk Profile), Safety Performance Indicators and Safety Assurance program.



The BowTie diagram provides the visual representation of all the elements associated with a Hazard and the point at which control over the hazard is lost or compromised (Top Event). The left side of the BowTie diagram represents the various Threats that can lead to the loss of control represented by the Top Event as well as the Risk Controls necessary to *prevent* loss of control.

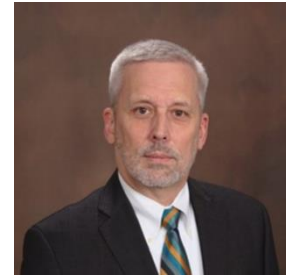
The right side of the BowTie diagram represents the various Consequences that can result from the Top Event as well as the Risk Controls necessary to *recover* from the loss of control. Having the proper and effective Risk Controls allows us to reduce the likelihood of losing control as well as reducing the resulting severity of the Consequences. As we know, likelihood and severity are the two key measures necessary to quantify risk through Risk Assessment.

During this two-day course, you will build a solid understanding of the elements of the BowTie as well as the attributes of effective Risk Controls. We will work through multiple aviation hazard examples in detail to ensure solid comprehension of the BowTie methodology and explore how to monitor and strengthen Risk Controls through the key Safety Assurance techniques of inspections, audits, and hazard, incident and accident reporting.

Throughout the class, attendees will use both manual (paper-based) tools as well as digital tools for capturing and documenting their BowTies. Each attendee will receive a full copy of the BowTieXP software from CGE Risk Management with a 30-day trial license and instruction on using this tool to build and maintain their BowTies. Each attendee will also receive a course workbook, the AeroDirections BowTie Toolkit and a Certificate of Completion.

The BowTie Risk Management – Risk Visualization in Aviation class registration fee is US\$899. Save \$100 by registering before April 1, 2017 at the early-bird registration rate of US\$799. Online registration is available at <https://aerodirections.regfox.com/bowtie-risk-management-in-aviation> where secure credit card payment processing is available at no extra charge.

This class will be led by Mr. Gerald Kosbab, President of AeroDirections, LLC, an aviation industry veteran with over 30 years' experience in the aviation, aerospace and defense industries. Mr. Kosbab is a Certified Registered Safety Professional (CRSP) and holds a Master of Business Administration and Bachelor of Science in Aerospace Technology degrees. He is a Commercial Pilot with Instrument and Multi-engine ratings and a U.S. certificated Airframe and Powerplant Mechanic. He has previously worked as a Certified Flight Instructor and Flight Test Engineer for multiple general aviation manufacturers of turbine powered business aircraft. Mr. Kosbab is also an IS-BAO accredited auditor and member of the FAA Safety Team (FAAST) in North Texas.



Mr. Kosbab is an active participant in multiple aviation organizations, including the National Business Aviation Association (NBAA), Helicopter Association International (HAI) and the U.S. Helicopter Safety Team (USHST). He has led Rotor Safety Challenge classes on BowTie at the 2016 and 2017 HeliExpo and participates on the USHST Accident Scoring Committee where he is developing BowTie models for the top rotorcraft accident profiles.

Classes will be held in the very modern [Hurst Conference Center](#) from 8:30 AM to 4:30 PM on April 19-20, 2017. Morning coffee, lunch and afternoon snack and beverages will be provided each day. The Hurst Conference Center is conveniently located at 1601 Campus Drive in Hurst with three affordable hotels ([Hyatt Place](#), [Holiday Inn Express & Suites](#) and [Hampton Inn & Suites](#)) and several restaurants within walking distance.

