# SYSTEM SAFETY PROCESS OF CONTROLLING HAZARDS DURING THE ACQUISITION CYCLE

## PLAN

- Identify the physical and functional characteristics of the system
- Identify the people, processes, procedures, facilities, equipment and relevant interfaces

## IDENTIFY

- Conduct hazard analyses to identify hazards and undesired events
- Determine the cause of the hazards through safety data researches, case studies, statistical analyzes, etc.
- Convert data into decision-making information
- Identify specific safety analyses, trade studies, and/or tests
- Review Service Safety Center data for related incidents and causes
- Determine safety requirements for the Test and Evaluation Master Plan, specific test plans, and other related acquisition program documentation

## TRACK

- Evaluate progress and effectiveness in resolving "open" hazard risks
- Confirm hazards are adequately controlled
- Acquire, compile, and analyze data to verify mitigation plans are executed correctly and are on schedule
- Identify any new risks resulting from implemented mitigation plans and/or modifications to the system
- Identify new risks based on the results of safety testing and from investigative incident reports

## ANALYZE/ASSESS

- Evaluate impact, severity, probability, and timeframe
- Classify by the nature of the risk
- Research and assess the benefits of eliminating/controlling the risks
- Analyze incidents resulting from tests to identify potential safety risks
- Review test data to identify potential safety risks

## CONTROL

- Make informed, timely, and effective decisions based on reported data
- Communicate hazard risks
- Implement corrective actions and controls

## RESOLVE

- Prioritize which are most important; Start with the most serious risk first
- Make risk decisions at the proper level
- Decide and develop mitigation plans to reduce risks
- Develop a risk tracking methodology