

Abstract

RAMP Tool (Risk Analysis and Mitigation Prioritization). The RAMP tool is an analytical tool that performs analysis on formerly known and newly identified hazards and associated risks, and provides a rank order prioritization of risk mitigation strategies. RAMP uses a team of SMEs and a powerful computer program to transform the identified risks (both organizational risks and technical risks) into strategies that are weighted in two ways: design order of precedence, and feasibility factors of cost, time, available technology, organizational impact, and mission impact. The end product is a credible rank ordering of risk mitigation strategies for leadership to optimize organizational safety, mission assurance, and program performance.