contingency plan: A plan for dealing with a risk factor, should it become a problem.

continuous risk management: The process of analyzing the progress of a planned activity, project, or program on a periodic, ongoing basis and handling identified risk factors; includes developing options and fallback positions to permit alternative solutions to reduce the impact if a risk factor becomes a problem.

crisis: A critical state of affairs in which a decisive, probably undesirable outcome is impending.

crisis management: Steps to take when a contingency plan doesn’t solve the associated problem.

problem: A negative situation to overcome. A risk factor becomes a problem when a risk metric (an objective measure) crosses a predetermined threshold (the problem trigger).

risk: The probability of incurring a loss or enduring a negative impact.

risk acceptance: Acknowledgment of a risk factor’s existence along with a decision to accept the consequences if the corresponding problem occurs. Also called risk assumption.

risk analysis: The process of examining identified risk factors for probability of occurrence, potential loss, and potential risk-handling strategies.

risk avoidance: A course of action that removes a risk factor from further consideration (for example, by changing the requirements, extending the schedule, or transferring the risk factor to another domain).

risk exposure: The product of probability times potential loss for a risk factor; usually expressed in monetary units or utility.

risk factor: A potential problem that would be detrimental to a planned activity, project, or program, characterized by the probability of problem occurrence ($0 < p < 1$) and a potential loss (of life, money, property, reputation, and so on) should the problem occur. Both probability and potential loss might change over time.

risk handling: A course of action taken in response to a risk factor; includes risk acceptance, risk avoidance, risk transfer, and risk mitigation.

risk identification: An organized, systematic approach to determining the risk factors associated with a planned activity, project, or program.

risk leverage factor ($rlf$): $rlf = (reb - rea)/rmc$, where $reb$ is risk exposure before risk mitigation, $rea$ is risk exposure after risk mitigation, and $rmc$ is the risk mitigation activity’s cost. Larger $rlfs$ indicate better mitigation strategies.

risk management: An organized process for identifying and handling risk factors; includes initial identification and handling of risk factors as well as continuous risk management.

risk metric: An objective measure associated with a risk factor to be mitigated.

risk mitigation: A course of action taken to reduce the probability of and/or potential loss from a risk factor; includes executing contingency plans when a risk metric crosses a predetermined threshold (when a risk factor becomes a problem).

risk reduction: Reducing the probability and/or potential impact of a risk factor. Risk reduction might involve research, prototyping, and other means of exploration.

risk transfer: Transferring responsibility for managing a risk factor to another organization or functional entity better able to mitigate the risk factor.

risk trigger: The predetermined threshold value of a risk metric that triggers invocation of a contingency plan when the risk metric crosses the threshold.

root-cause analysis: Determination of a potential problem’s (a risk factor’s) underlying cause or causes.

uncertainty: The result of not having accurate or sufficient knowledge of a situation; often the root cause of a risk factor.

utility: A measure of value within a given value system, often measured on a scale of 0 to 100.