Note 2 to entry: A number of factors are considered when estimating likelihood in information system risk management such as the motivation and capability of the threat source, the history of similar threats, known vulnerabilities, the attractiveness of the target, etc.

[SOURCE: ISO Guide 73:2009 [13][1], 3.6.1.1 and ISO/IEC 27005:2018 [12], 3.7]

3.1.12
process hazard analysis
set of organized and systematic assessments of the potential hazards associated with an industrial process

3.1.13
residual risk
risk that remains after existing countermeasures are implemented (such as, the net risk or risk after countermeasures are applied)

3.1.14
risk
expectation of loss expressed as the likelihood that a particular threat will exploit a particular vulnerability with a particular consequence

3.1.15
security level
SL
measure of confidence that the SUC, security zone or conduit is free from vulnerabilities and functions in the intended manner

3.1.16
security perimeter
logical or physical boundary surrounding all the assets that are controlled and protected by the security zone

3.1.17
system under consideration
SUC
defined collection of IACS assets that are needed to provide a complete automation solution, including any relevant network infrastructure assets

Note 1 to entry: An SUC consists of one or more zones and related conduits. All assets within a SUC belong to either a zone or conduit.

3.1.18
threat
circumstance or event with the potential to adversely impact organizational operations (including mission, functions, image or reputation) and/or organizational assets including IACS

Note 1 to entry: Circumstances include individuals who, contrary to security policy, intentionally or unintentionally prevent access to data or cause the destruction, disclosure, or modification of data such as control logic/parameters, protection logic/parameters or diagnostics.

3.1.19
threat environment
summary of information about threats, such as threat sources, threat vectors and trends, that have the potential to adversely impact a defined target (for example, company, facility or SUC)

[1] Numbers in square brackets refer to the bibliography.