



THE CENTER FOR ADVANCED RED TEAMING

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Glossary of Common Red Teaming Terms

Alternative Analysis – The deliberate application of independent critical thought and alternative perspectives to improve decision making.¹

Army Red Teaming – A comprehensive problem-solving methodology that enables the creation of intelligent solutions and superior decisions.²

Blue Team / Blue Cell – An (optional) element of a red teaming activity that represents the defender(s).³

Brown Team – One or more (optional) elements of a red team activity representing stakeholders who are not initially aligned with the objectives of either the Red or Blue Teams.⁴

COA – Course of Action

Cognitive Bias – A systematic pattern of deviation from the norm or rationality in human judgment, whereby inferences about people and situations may be drawn in an illogical fashion.⁵

Devil's Advocate (Advocatus Diaboli) – A designated dissenter (originally used by the Catholic Church to develop objections to the canonization of individuals).⁶

Green Team – One or more (optional) elements of a red teaming activity that representing allies of the defender.⁷

Mirror-Imaging – A form of cognitive bias that results from the biased assumption that an adversary will share the same worldview, values, perceptions, goals and decision process as the analyst.⁸

Penetration Testing – Security testing in which [authorized] evaluators mimic real-world attacks in an attempt to identify ways to circumvent the security features of an application, system, or network.⁹

Red Team / Red Cell – Element of a red teaming activity that acts as the surrogate adversary.

Red Teaming – Any activities involving the simulation of adversary decisions or behaviors, where outputs are measured and utilized for the purpose of informing or improving defensive capabilities.

Risk Assessment – A systematic process of identifying hazards and subsequently evaluating both the likelihood of the hazard arising and the potential harmful consequences should it arise.¹⁰

SME – Subject Matter Expert

War Gaming – A warfare model or simulation, using rules, data, and procedures, not involving actual military forces, and in which the flow of events is affected by, and in turn affects, decisions made during the course of those events by players representing the opposing sides.¹¹

White Team / White Cell – Coordinators or facilitators of the red teaming activity.¹²

¹ *The NATO Alternative Analysis Handbook* (Second Edition), December 2017, accessed at <https://www.act.nato.int/images/stories/media/doclibrary/alta-handbook.pdf>.

² University of Foreign Military and Cultural Studies, TRADOC G-2.

³ Where not otherwise cited, all definitions are those of CART.

⁴ Adapted from: United Kingdom Ministry of Defense, *A Guide to Red Teaming* (Swindon: The Development, Concepts and Doctrine Centre, 2010), p. 1-2.

⁵ M. Kardos, and P. Dexter, *A Simple Handbook for Non-Traditional Red Teaming* (Defence Science and Technology Group (Australia), 2017), p. 2.

⁶ M. Zenko, *Red Team* (New York: Basic Books, 2015), p. ix.

⁷ Adapted from: United Kingdom Ministry of Defense, *A Guide to Red Teaming* (Swindon: The Development, Concepts and Doctrine Centre, 2010), p. Lexicon-3.

⁸ Command NWD, *Maritime Commander's Red Team Handbook* (2011), accessed at http://www.act.nato.int/images/stories/events/2011/cde/rr_navyhandbook.pdf.

⁹ K. Scarfone, et. al., *Technical Guide to Information Security Testing and Assessment* (National Institute of Standards and Technology Special Publication 800-115, September 2008).

¹⁰ Loosely adapted from: Committee on Methodological Improvements to the Department of Homeland Security's Biological Agent Risk Analysis: National Research Council, *Department of Homeland Security Bioterrorism Risk Assessment: A Call for Change*, Vol. 1 (Washington, D.C.: National Academies Press, 2008), accessed at: <http://www.nap.edu/catalog/12206.html>.

¹¹ P. Perla, *The Art of Wargaming* (Annapolis: Naval Institute Press, 1990), p. 274.

¹² Adapted from: United Kingdom Ministry of Defense, *A Guide to Red Teaming* (Swindon: The Development, Concepts and Doctrine Centre, 2010), p. 1-2.