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RESOURCE GUIDE

Risk Assessment: Information Technology & Telecommunications

DESCRIPTION

Information technology (IT) and telecommunications are essential elements of daily American life. The threat of either cyberterrorism or conventional acts of terrorism against this critical infrastructure is a growing concern for homeland security officials. In response, risk assessment methodologies specific to IT and telecommunications have emerged to better evaluate and prepare for these specific threats.

RESOURCES

Guides and Methodologies

Federal Government

[Department of Homeland Security \(DHS\):](#)

[Practices for Securing Critical Information Assets:](#) This guide was produced by the Critical Infrastructure Assurance Office (now dissolved and integrated into DHS) to assist federal agency personnel who are responsible for developing and implementing information security policy. The document includes both a risk assessment methodology for critical information assets and a series of practices to bolster information security.

([LLIS.gov ID# 12749](#))

International

[European Union \(EU\):](#)

[Coras Project:](#) This model-based risk assessment methodology was created by a consortium of private companies and universities with the financial support of the EU. The methodology is designed to assess the threats to and vulnerabilities of "security-critical" IT systems.

<http://coras.sourceforge.net/>

Presentations

Universities and Think Tanks

[Institute for Defense and Homeland Security:](#)

[Network Security Risk Models for Critical Infrastructure Assessment:](#)

This presentation advocates the use of network security simulations and exercises to test and refine the preparedness of computer networks that support critical infrastructure systems.

([LLIS.gov ID# 12750](#))

Articles

Robert Lemos, "[Safety: Assessing the Infrastructure Risk](#)", [CNET News](#), 26 August 2002.

This article assesses the threat of cyberterrorism and the need for effective prevention. The author stresses the vulnerability of critical infrastructures to the threat of cyberterrorism and urges immediate action to increase the security of infrastructure-related computer systems.

http://news.com.com/2009-1001_3-954780.html

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