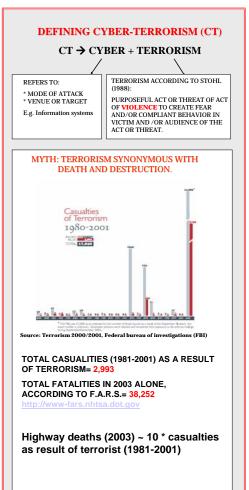
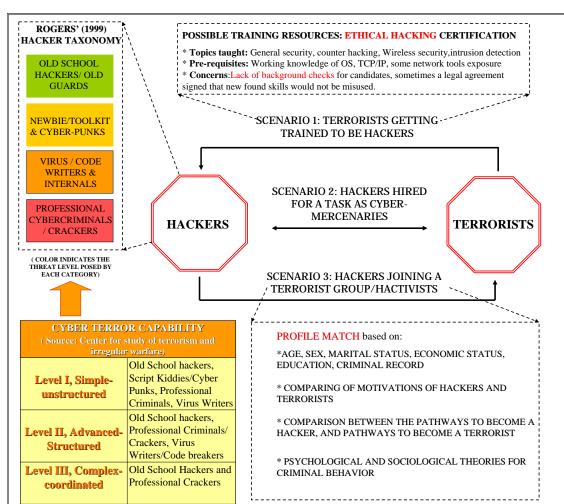
CYBER TERRORISM: HACKERS BECOMING TERRORISTS OR TERRORISTS BECOMING HACKERS?

ABSTRACT

LACK OF CYBER SKILLS IS AN OBSTACLE FOR TERRORISTS BUT IT CAN BE ADDRESSED BY TRAINING / HIRING / RECRUITING ROGERS' (1999) HACKER TAXONOMY IS USED TO IDENTIFY CRIMINAL HACKERS, FOLLOWED BY PROFILE MATCH OF HACKERS AND TERRORISTS * WE TRY TO IDENTIFY A DEFINITION OF CYBER-TERRORISM THAT WOULD ENABLE US TO IDENTIFY TRUE CYBER-THREATS.





KNOWN THREATS

1. SCADA: Supervisory Control and Data Acquisition

· Built on the assumption that these systems would b "AIR GAPPED" or disconnected form external network. Systems already in place for controlling power grids etc., they have too many security he to plug. Retro-active security measures taken or systems demanding high-security will always have

2. SOCIAL ENGINEERING

- Cyber-attacks initiated from within an organization Lack of responsible security behavior, facilitate security break-ins.
- 3. WMD: Weapons of Mass Disruption

POSSIBLE THREATS

- at destroying INTERNET TRUST in online servi Limited cyber-skills required for this purpose.
- Recruitment efforts and Propaganda distributi targeted at average computer users. Financing for

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1) Blackburn, R. (1993) The psychology of criminal conduct: Theory, research and practice. Toronto: John Wiley & Sons

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4) Hudson, Rex A. (1999). The sociology and psychology of terrorism Who becomes a terrorist and why? Federal Research Division, Librar of Congress, LC Control Number: 2003426357.

5) Post, J. (1996). The dangerous information system insider: Psychological perspectives. Available HTTP: Hostname: infowar.com

6) Rogers, M. (1999) "Psychology of Hackers: Steps Toward a New Taxonomy" Hacker Sitings and News

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- 1) Blackburn, R. (1993) The psychology of criminal conduct: Theory, research and practice. *Toronto: John Wiley & Sons*
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1) http://faculty.ncwc.edu/toconnor/429/429lect02.htm http://faculty.ncwc.edu/toconnor/429/429lect01.htm

Provide a snap shot view on all the theories in terrorism and very good read overall to get an idea about what scholars and the literature have to say about terrorism.

2)

 $\underline{\text{http://www.memagazine.org/backissues/dec02/features/scadavs/scadavs.}} \\ \underline{\text{html}}$

The author talks about the vulnerability of SCADA networks and the inherent design flaws in security for this system which controls power grids etc.

- 3) http://edition.cnn.com/TECH/specials/hackers/cyberterror/CNN report on cyberterror.
- 4) http://ref.web.cern.ch/ref/CERN/CNL/2000/003/scada/
 Definition of SCADA, a review of the software architecture. Information of the inner workings of the system with schematics.
- 5) http://www.edu.uni-klu.ac.at/~epirker/unix/hacker-howto.html Gives pointers as to what has to be done to be known as a hacker. The author is a hacker himself and talks about the hacker motivations, attitude etc. In other words and insider view of hacking. He clearly differentiates and validates Rogers findings regarding crackers and hackers being two distinct groups. Another comprehensive source is: http://www.catb.org/~esr/faqs/hacker-howto.html
- http://www.homelandsecurity.org/journal/Articles/displayarticle.asp?article =109

Anthony Stahelski has argued for the fact that Terrorists Are Made, Not Born: Creating Terrorists Using Social Psychological Conditioning. He has put forth the five phases of Psychological conditioning.