

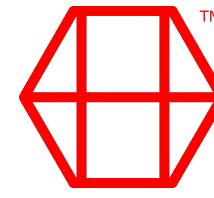
THE SECURITY OF CRITICAL INFRASTRUCTURE AND PUBLIC SPACES IN THE EUROPEAN UNION

The prospective incidence of Terrorism on Cyber Security

European Parliament in Brussels, 12 July 2018

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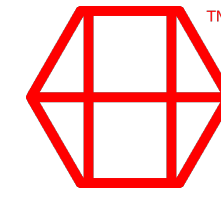


Terrorism

Political violence in an asymmetrical conflict that is designed to induce terror and psychic fear through the violent victimisation and destruction of noncombatant targets.

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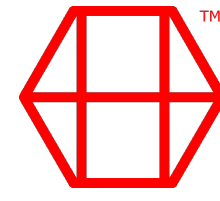


Current Understanding of Internet Usage for Cyber Terrorism (Based on Academia)

- Communication and Networking
- Asset Transfer
- Research about Targets // Espionage
- Recruit Supporters for the Groups Cause & Raise Funds
- Propaganda // PsyOps

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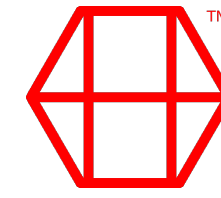
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What's up with the Deep Web?

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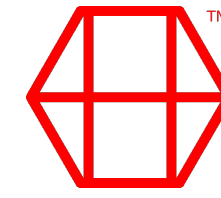


Threat Vector Categories

- Cyber only Attacks
- Cyber-Physical Attacks
- **NEW** Kinetic Attacks with Cyber Consequences

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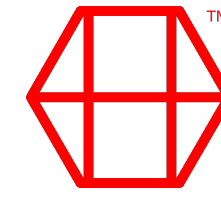


Academic Recommendations to mitigate the Risks

- Legislative Framework
- National & International (law enforcement) Partnerships
- Strategies

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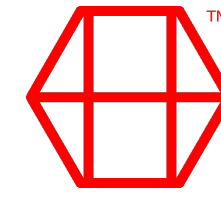


What really enables Cyber Terrorism?

- Reliance on the Internet for our society to function
- ISPs not regulated (Network Infrastructure not redundant, etc.)
- Software/OS Vendors releasing premature Products
- Gross negligence in deployment, and continuous update/upgrade of critical infrastructure hard-/software
- Failure of the Legislative Branch since the 1980s

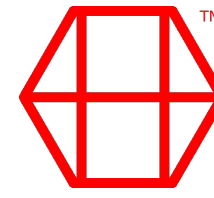
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Reality Check: 2-Phase Approach

- Phase 1: Immediately create Task Force to establish a qualified Threat Landscape > hardening of Critical Infrastructure in the EU
- Phase 2: Creation of legislative Framework making liable those elements identified as enablers for contributing factors (software/OS Vendors, IoT device Manufacturers, CTOs, etc.)



Questions? Reach out today!

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