

+discussion in the new year with some custom graphics

If NIST NICE desires to maximize promotion of 800-181 to Commercial/Enterprise leaders (increase acceptance and public-private sector collaboration):

1. Fix the policy/vocabulary and operational gaps between 'Risk' and 'Threat' first? (see PNG attached)
 - a. Example, even NIST definitions show the difference between 'IT risk' (technical) and 'Business risk' (strategic), but we (including NIST) are not executing/pitching 800-181 in this?
2. Pitch less 'Event'/Incident Threat' 'SOC' 'reactive' using 'DHS NPPD/CISA' alone (start using NPPD/CISA and I&A jointly? More 'proactive' 'predictive' 'preventative'?)
3. Pitch more 'Fusion Operations' 'Risk (Management)' 'CRISC' 'OpenFAIR' 'Carnegie Mellon' 'USNA' and 'External/Internal/Other data class of Threat (Capability, Intent, Controls)'?
 - a. If you want to be most relevant to 'C-Suite' executives who make the decision to keep/apply 800-181, not the lower level practitioners?

/r

Definition Context:

Risk Management (14) definitions mentions Likelihood (0) Impact (1) times
Mentions "Risk (39 times in context)

- managing risks to agency operations
- risk management process
- risk assessment
- risk to mission/business
- acceptable level or risk
- risk mitigation strategy
- risk-related activities
- responding to risk
- monitoring risk
- information technology related risks
- information security risk

- event or condition
- circumstance or event
- "threat source"
- potential cause of an unwanted incident
- possible danger to a computer system
- an activity
- potential source of an adverse event
- likelihood or frequency of a harmful event

- "in the weeds" ...

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RISK

- Has (28) separate definitions
- Mentions Likelihood (19) and Impact (33) times
- Abbreviation(s) and Synonym(s):
 - Capability, Manage and Assess Risk

<https://csrc.nist.gov/glossary/term/risk>

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THREAT

- Has (21) separate definitions
- Mentions Capability (0), Intent (0), and Control (0) times
- Abbreviation(s) and Synonym(s):
 - Cyber Threat

<https://csrc.nist.gov/glossary/term/threat>

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VULNERABILITY

- Has (17) separate definitions
- Mentions Controls (12) and Weakness (15) times
- Abbreviation(s) and Synonym(s):
 - None

<https://csrc.nist.gov/glossary/term/vulnerability>

EVOLUTION OF A FUSION CENTER

The following chart presents an approach for creating a fusion center. Organizations just starting out should consider creating a fusion center with the "Beginning" components and positions. The numbers shown in the position titles are specific roles and positions from NIST-NICE Standard Practice 800-181.



Fig 1. Carnegie Mellon SEI 'Cyber Intelligence Tradecraft Report' for ODN1, 2019

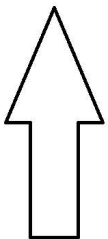
Common Lexicon/Language of the Operational Environment:

Risk is the **exposure to consequence** (loss); calculated as **likelihood x impact** of an incident or event triggered by a threat. Risk technical and non-technical examples include compliance, privacy, fraud, geopolitical (country-nexus), cyber attacks, etc.

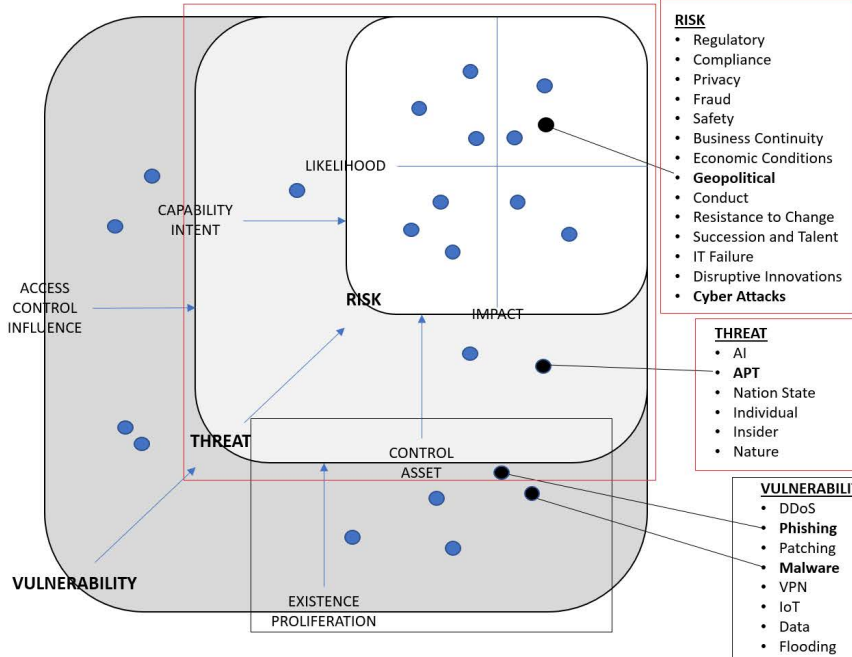
Threat is the **trigger to consequence** (loss); resulting from a **person, group, or thing** with capability and intent to inflict consequence. Threat technical and non-technical examples include artificial intelligence, Advanced Persistent Threat (APTs), insiders, nature, etc.

Vulnerability is the **path to consequence** (loss); as an avenue of access, control, or influence that can inflict consequence. Vulnerability technical and non-technical examples include unpatched systems, poor coding practices, employees with no cybersecurity awareness,

DAILY STOP



Cybersecurity/CISSP/Incident Responder



Cyber Operations (All Disciplines/Roles) 'Mature'

- RISK**
- Regulatory
 - Compliance
 - Privacy
 - Fraud
 - Safety
 - Business Continuity
 - Economic Conditions
 - Geopolitical
 - Conduct
 - Resistance to Change
 - Succession and Talent
 - IT Failure
 - Disruptive Innovations
 - Cyber Attacks

- THREAT**
- AI
 - APT
 - Nation State
 - Individual
 - Insider
 - Nature

- VULNERABILITY**
- DDoS
 - Phishing
 - Patching
 - Malware
 - VPN
 - IoT
 - Data
 - Flooding

DAILY STOP