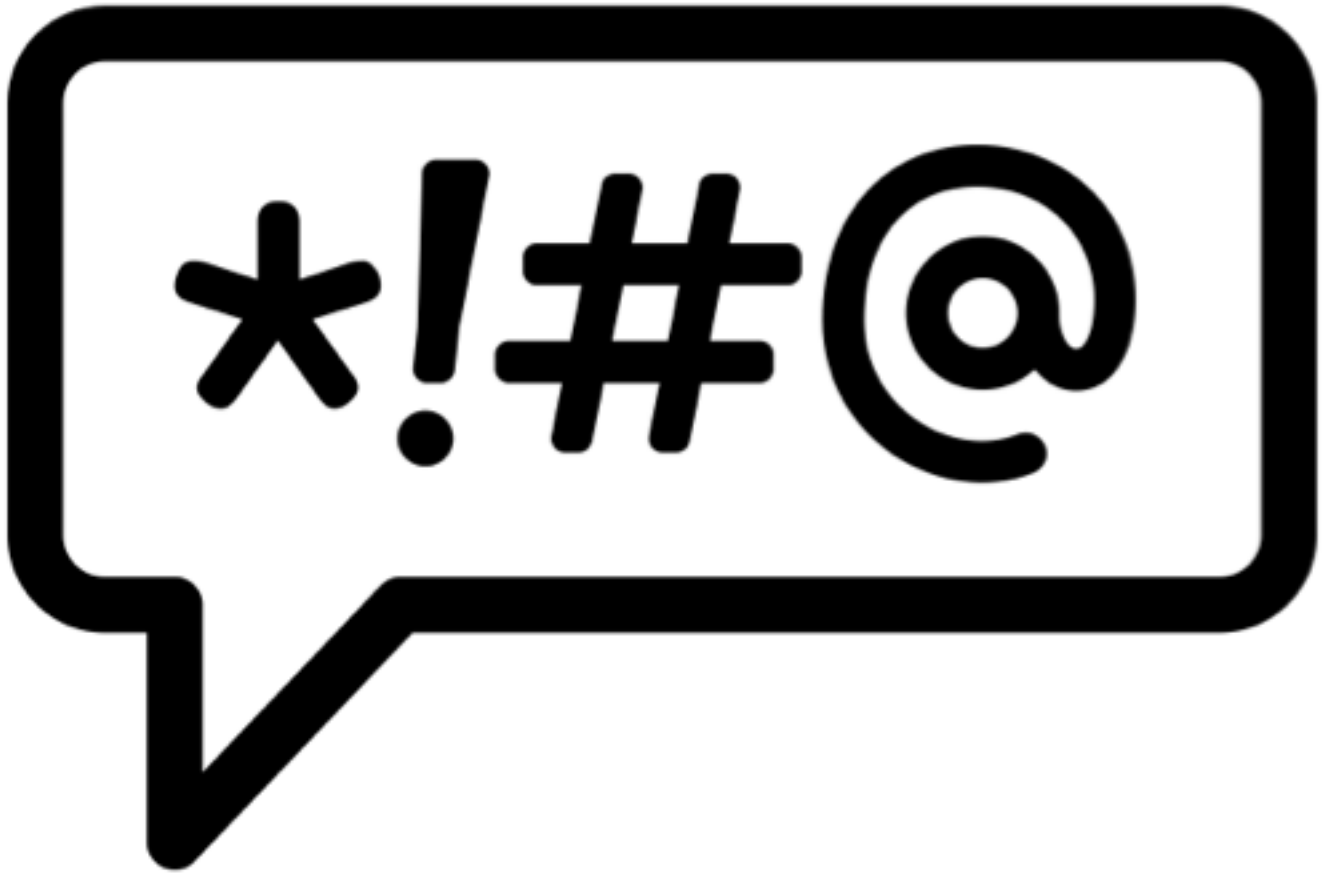
Security to make the CFO Happy

Adam (@sneakernet72), Engineer



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NIST SP 800-53
DoD 8570/DoD 8140
CUI - NIST SP 800-171
DFARS clause 252.204-7012
CMMC/CMMI

Whose ears are burning?

- The entire DoD Supply Chain for starters
  - 20,000 Prime contractors
  - 300,000 Subcontractors

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Targets …Victims?

- Business Development
- Program Managers
- Finance, QA, and IT managers

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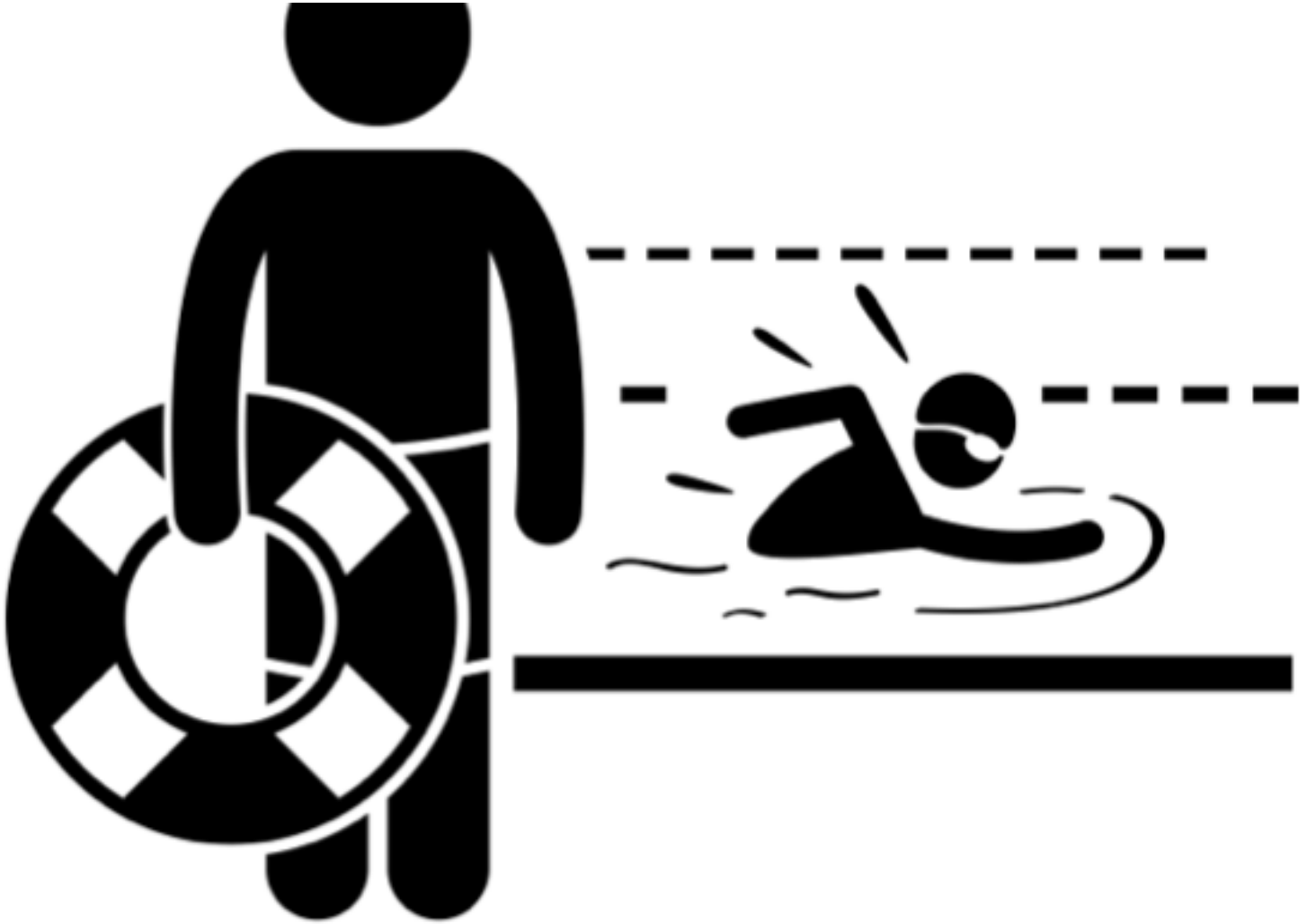
from Noun Project

Threat Vectors

1. Business
   - Data call
   - RF(I|P)
   - SOW/SSOW
2. Organization
   - Certifications
   - Audits
3. The Questionnaire

Pain points

1. Poor communication
2. Security language
3. Unplanned work
4. Unfunded mandates



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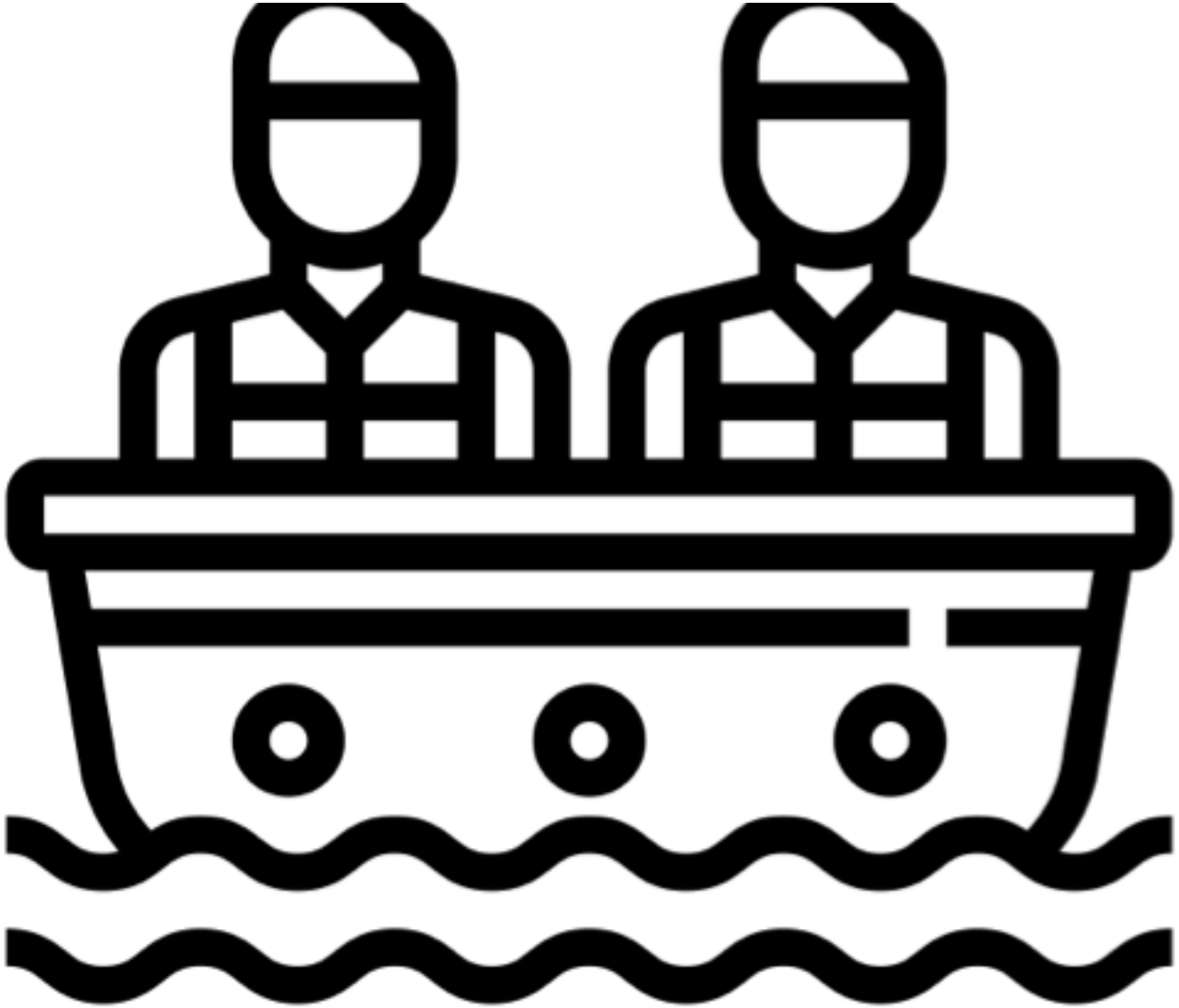

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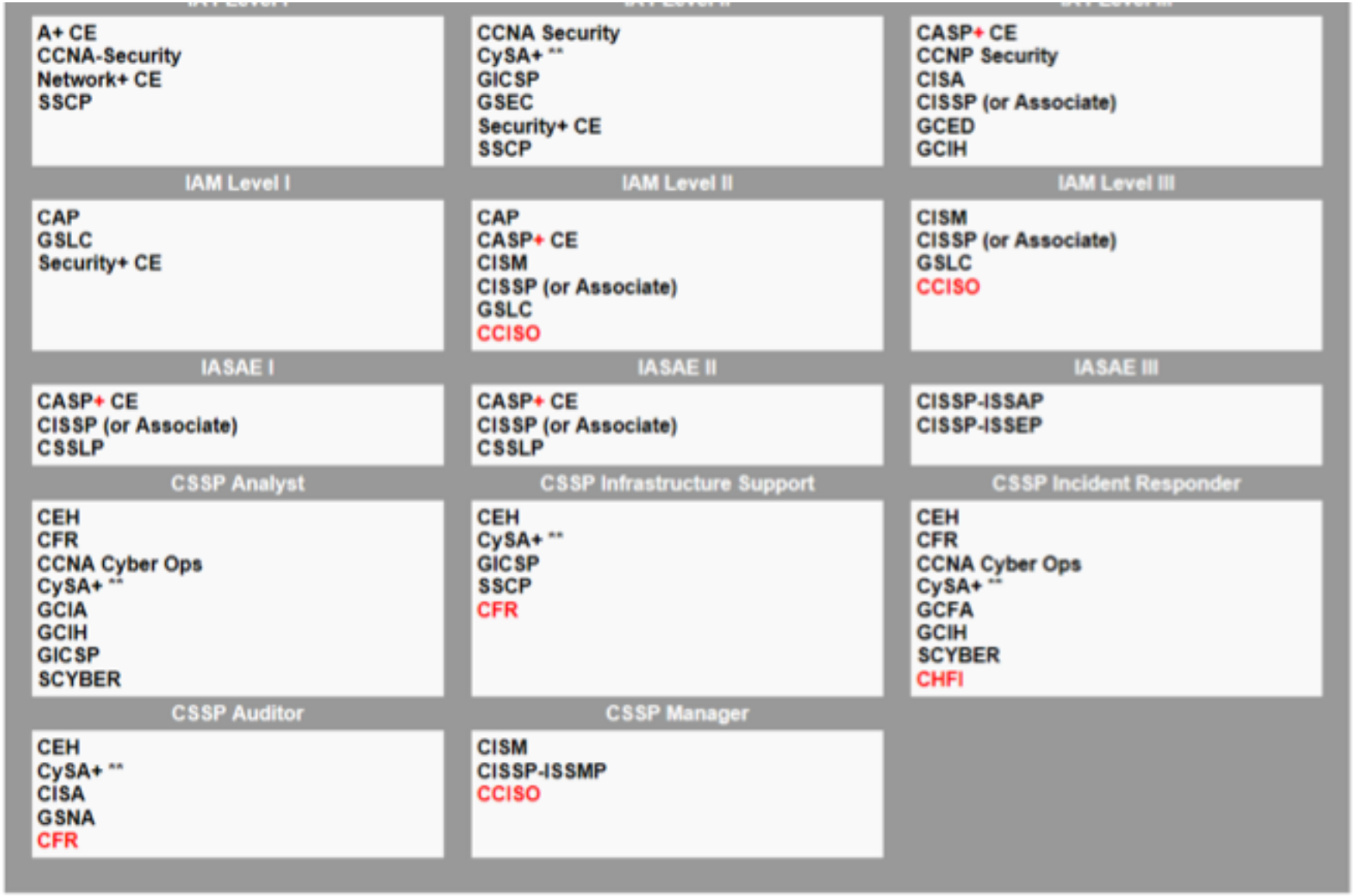
Signs of ~~Old Age~~ Security Maturity

1. Awareness
2. **Literacy**
3. **Engagement**
    1. Tactical
    2. Strategic
4. **Security is a measurable cost**
5. Compliance is a byproduct
6. Security enables quality

History Lesson

History Lesson

- Sarbanes-Oxley
- CMMI / ISO9000
- RMF transitions
- The Phoenix Project (Fiction)



Strategic training dollars

Strategic training dollars

- Compliance dominoes
- Maximize existing contracts

Relationships

Relationships

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Relationship #1: Purchasing

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Relationship: Purchasing

- More than just holding activation keys and accepting PRs …
- Make connections with the right vendor contacts
- Save you from making a purchase the larger org already has

Oh, btw…

- Those purchasing folks – they are super helpful for getting a start on addressing supply chain risk management too.

Relationship #2: Eng & IT

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Relationship: Engineering and IT

- Join forces around a common security tool or SIEM (Security Information and Event Management)
- SIEM because metrics

Relationship #3: HR

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Human Resources

- Answer the data call with talent DB
- HR can adapt edu reimb policies to include cyber training.
- Win for HR because the new policy helps attract new talent
- Win for YOU - You get more allies.

Final thoughts

- Time is money
- Literacy saves time
- Team effort
- Don’t throw the baby out with the bath water
- Security enables quality

Questions?

Citations

- https://www.jdsupra.com/legalnews/cost-of-cybersecurity-compliance-now-an-61380/
- https://federalnewsnetwork.com/reporters-notebook-jason-miller/2019/06/why-dods-decision-to-make-cybersecurity-an-allowable-cost-matters/
- https://federalnewsnetwork.com/federal-drive/2019/07/new-rule-about-protecting-controlled-information-to-affect-contractors-other-govt-partners/
- DoD 8570 Chart: https://www.giac.org/certifications/dodd-8570
- Protecting CUI: https://csrc.nist.gov/publications/detail/sp/800-171/rev-1/final
- DFARS clause: https://www.acq.osd.mil/dpap/dars/dfars/html/current/252204.htm#252.204-7012
- CMMC: https://www.acq.osd.mil/cmmc/index.html
- CMMC listening tour: https://www.acq.osd.mil/cmmc/listening-tour.html

Backups

DaaS

- CONOPs
- User/Admin Guides
- Plans!!!
- ~~Code~~ Documentation reuse