1:30 – 3:00pm  Session 6: Cloud Issues

Moderator – S. Turnbull (GSA)

- Developers do not have good guidelines to develop applications
- Security Issues
- Resources Issues – limit of cloud resources
- Process around clouds – share responsibilities across the controls (FISMA, …)
- Incident Response – integration working together
- Technical issues are solvable, Service Level Agreements
  - Legal Council
  - Budget Support
  - Renewals / Procurement
- Open source
- Security Low, Moderate → Aggregation of data
  - Threats in the cloud
- Issues around bandwidth
- Security – virtual machines...
  - Understanding – memory space, share memory space
  - Share environments – risks, vulnerabilities
- Compliance & C&A
  - Defining system boundaries (physical)
    - Data replication
  - Metrics
  - C&A Process
- Compatibility – API Changes
- What if your Cloud Services Providers reaches their limits and sub-contract to other service provider
- www.fedramp.gov (e-Global tools)
  - Concerns --- one size fits all...

- How to develop security policies
- Automation Tools for C&A
- Data Stewardship – how to get the data, archiving
- Supply Chain: Where the hardware is coming from … Hard drives, etc…
  - You can only buy your motherboards from this vendor
- eDiscovery Privacy Issues
• Quality of Assessment – C&A
  o Real Assessment
• Counter-intelligence
• Multi-tenancy

GROUPS – information to the NIS process

• Group Compliance (Security Controls) and Continue Monitoring (what threats they are mitigating)
  o Reports on Security Controls
  o Need constant feeds
  o Audit Group –
    ▪ Tool used – augmented governance
    ▪ Establish Methodology – reporting automated
  o Assessment Results –
    ▪ SAS70
    ▪ FISMA
  o Transparency – Fedramp
    ▪ Guidelines:
      • NIST – 330
      • DOD - Medium
      • DHS – Higher
  o Help on decisions to access risks..

• Group Security – PKI
  o Identity Management

• Group – Security Policy

• Group - Threat Actors / Scenarios / Approaches