Assessment of System Development, Integration, Sustainment Activities, and Certification & Accreditation

Knowledge Repositories

- Asset Definition
  - CPE, OVAL, SWID
- Configuration Guidance Analysis
  - XCCDF, OVAL, CCE, OCIL, CCSS
- Vulnerability Analysis
  - CVE, CWE, CVSS, CCE, CVRF
- Threat Analysis
  - CVE, CWE, CVSS, CAPEC, MAEC, CybOX, STIX
- Indicator Sharing
  - STIX, CVE, CPE, MAEC, CEE, CybOX, IODEF
- Incident Report
  - CYBEX, CWE, STIX, OVAL, CVE, CPE, CVSS, MAEC, CEE, CWSS, CybOX, IODEF

Development & Sustainment Security Management Processes

- Asset Inventory
  - CPE, OVAL, SWID
- Configuration Guidance Analysis
  - CCE, OVAL, OCIL, XCCDF, CPE, SWID, CCSS
- Vulnerability Analysis
  - CVE, CWE, CVSS, CCE, OVAL, OCIL, XCCDF, CPE, CWSS, SWID
- Threat Analysis
  - CVE, CWE, CVSS, CCE, OVAL, OCIL, XCCDF, CPE, CAPEC, MAEC, CybOX, SWID, STIX
- Intrusion Detection
  - CVE, CWE, CVSS, CCE, OVAL, OCIL, XCCDF, CPE, CAPEC, MAEC, CEE, CybOX, SWID, STIX
- Incident Management
  - CVE, CWE, CVSS, CCE, OVAL, OCIL, XCCDF, CPE, CAPEC, MAEC, CEE, CybOX, SWID, STIX

System Assurance Guidance/Mandates/Requirements

- CWE, CAPEC, SBVR, MAEC
- CWE, CAPEC
- CWE, CVSS, CCSS
- CWE, CVSS, CCE, OCIL, XCCDF, CPE, SWID, CCSS
- CWE, CVSS, CCE, OVAL, OCIL, XCCDF, CPE, CAPEC, MAEC, CybOX, SWID, STIX
- CWE, CVSS, CCSS, CCE, OCIL, XCCDF, CPE, CAPEC, MAEC, CybOX, SWID, STIX

Cyber Security Measurement & Management Architecture

-INTERNET
-DMZ
-INTRANET

Router
Firewall
Web Servers
Application Servers
Database Systems
Desktop Systems
Desktop Systems
Desktop Systems
Desktop Systems

DNS Server
Mail Server
Web Servers

Enterprise IT Change Management
Centralized Reporting