

FUNCTIONAL AREA TWO (2) – INFORMATION SYSTEMS ENGINEERING

- (1) System and Software Design, Development, Engineering, and Integration
 - i) Software Development
 - ii) System Design Alternative Studies
 - iii) Software Distribution, Licensing, Maintenance
- (2) Information Technology (IT) Strategic Planning, Program Assessment, and Studies
 - i) Feasibility Studies
 - ii) Information Technology (IT) Strategic Planning and Mission Need Analysis
 - iii) Information Technology Organizational Development
 - iv) Information Technology Program Analysis, Assessments and Studies
 - v) Information Technology Research and Development
- (3) Automated Workflow System Development and Integration
- (4) Business Process Reengineering (BPR)
 - i) Benchmarking/Operational Capability Demonstrations
 - ii) Change Management
- (5) Chief Information Officer (CIO) Support
 - i) Enterprise Resource Systems Management
 - ii) Enterprise Resource Systems Planning
 - iii) Information Assurance Activities
 - iv) Information Operations
 - v) Inter/Intra-Agency Enterprise Resource Planning
- (6) Global Information Systems
- (7) Software Life Cycle Management (SLCM)
 - i) Cost Benefit Analysis, Cost Effectiveness Analysis
 - ii) Risk Analysis and Assessment
 - iii) Stakeholder Analysis
 - iv) Total Cost of Ownership Studies
- (8) Software Engineering (SWE)
 - i) Software Quality Assurance
- (9) Customer Relationship Management
- (10) Information Technology Architecture (ITA) Support
- (11) Infrastructure Quality Assurance
- (12) Instructional Design, and Modeling & Simulation
- (13) SCE/CMM/CMMI Analyses and Implementation Support
- (14) Anti-Virus Management Service
 - i) Intrusion Detection and Prevention Service
 - ii) Virus Detection, Elimination, and Prevention
- (15) Biometrics
 - i) Smart Card Technologies
- (16) Computer Security Awareness, and Training
 - i) Computer Security Incident Response
 - ii) Computer Security Planning
 - iii) Security Policy Compliance
- (17) Disaster Recovery, Continuity of Operations, and Contingency Planning
 - i) Critical Infrastructure Protection

- ii) Hot-site and Cold-site Support Services
- iii) Incident Response Service
- iv) System Recovery Support Services
- (18) Hardware and Software Maintenance and /or Licensing
 - i) Software/Hardware Maintenance and /or Licensing
- (19) Independent Verification and Validation (Security)
 - i) Certification of Sensitive Systems
 - ii) Mainframe Automated Information Security Support
 - iii) Security for Small Systems, Telecommunications, and Client Service
- (20) Managed E-Authentication Service
- (21) Managed Firewall Service
- (22) Privacy Data Protection
- (23) Public Key Infrastructure (PKI)
 - i) Crypto Systems
 - ii) Digital Signature Technology
- (24) Secure Managed Email Service (SMEMS)
- (25) Security Certification and Accreditation
- (26) Systems Vulnerability Analysis/Assessment and Risk Assessment
 - (i) Quantitative Risk Analysis of Large Sensitive Systems
 - (ii) Vulnerability Scanning Service