CSO/CISO/BISO/TISO/ISO-Project Delivery Lifecycle Concerns

Project Delivery Lifecycle

Secure Design

Threat Modeling
- STRIDE
- Abuse Cases
- DREAD
- Octave
- PASTA
- TRIKE
- Mitre D3FEND
- Mitre ATT&CK
- Persona Non-Grata
- Attack Trees
- VAST Modeling
- LINDDUN

Cybersecurity Assurance
- Confidentiality
- Integrity
- Availability
- Auditing
- Authentication
- Authorization
- Non-Repudiation
- Privacy

Secure Deisgn Principles

Logic & Functionality
- Secure Defaults
- Secure Failure
- Economic Security
- Self Analysis
- Acceptability Security
- Accountability & Traceability
- Continuous Protection of Information

System Lifecycle
- Procedural Rigor
- Secure System Modification
- Sufficient User Documentation
- Repeatable, Documented Procedures

Structure

Composition
- Secure Distributed Compositon
- Trusted Communication Channels

- Secure System Evolution

Economy & Elegance
- Least Common Mechanism
- Clear Abstraction
- Partially Ordered Dependencies
- Efficiently Mediated Access
- Minimized Sharing
- Reduced Complexity

Trust
- Minimized Security Elements
- Self-Reliant Trustworthiness
- Hierarchical Protection
- Hierarchical Trust of Protection
- Inverse Modification Threshold
- Trusted Components
- Least Privilege

Portfolio Management
- Program Management
- Project Management

Project Management Methodology

Waterfall

Linear Projects
- Small One-Off Projects
- Assessments
- Audits

Construction Projects
- Remote Office Buildouts
- Data Center Buildouts

Agile Methodology
- General Agile
- Kanban
- Scrum
- SAFe
- Lean Startup
- DevOps/DevSecOps
- CI/CD
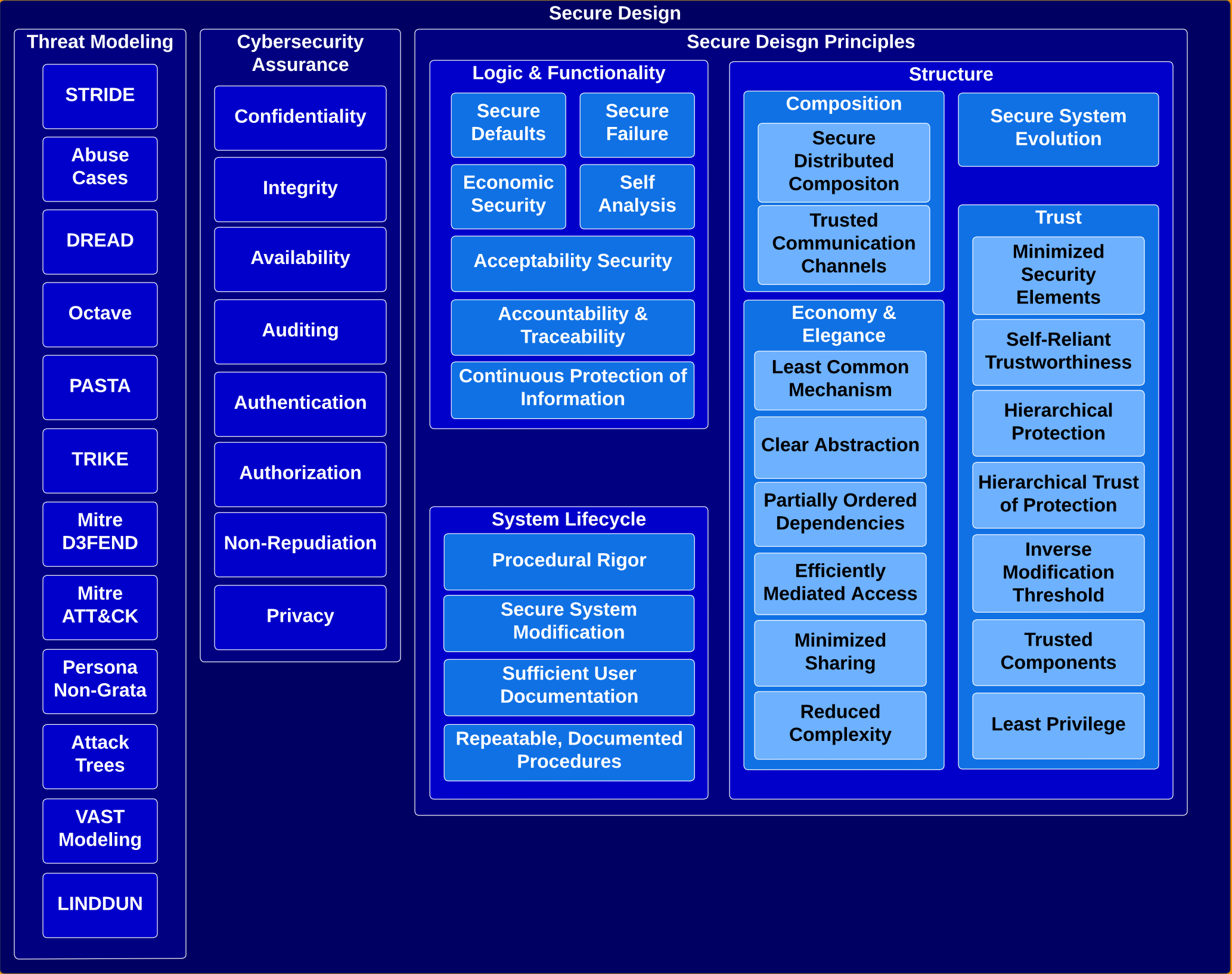
Project Cost Estimation
- Activity-Based Costing
- Resource-Based Costing
- Time & Material Estimation

Architecture Projects
- Proof of Concept
- Planning
- Requirements Development
- Design

Operations Acceptance
- Operations Handoff

Implementation
- Pilot
- Deployment

Accreditation
- Functional Testing
- Stress Testing
- Architecture Compliance Testing
- Cybersecurity Testing