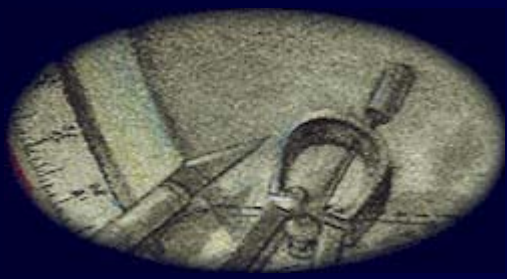


Risk-Based Security Initiatives

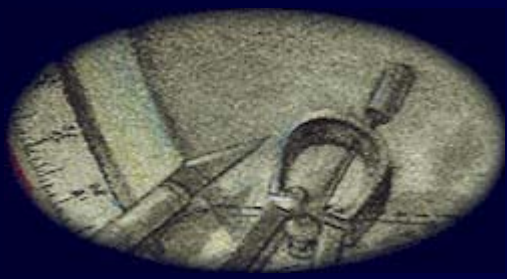
J. R. Wade, CISSP



Risk-based Security Initiatives

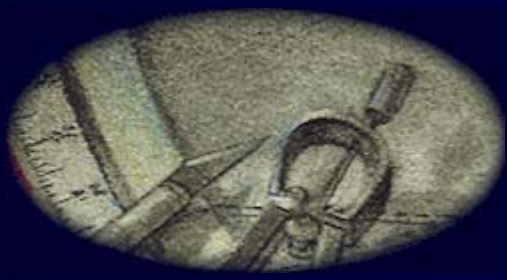
Overview

- **Background**
- **New Information Security Policy framework**
- **New Security Architecture**
- **New Information Security Risk Management Model**
- **Bringing it all together**



Risk-based Security Initiatives - Background

- **Legacy IT environment**
 - inflexible
 - redundant
 - inconsistent
 - single risk view
- **Need to make IT more cost-effective**
- **Responsive to national businesses**
- **Simplify deployment - use standards**
- **Baseline & standardize infrastructure**
- **Consistent approach**



The Blueprint Framework

- Development Services**
- Application Type & Style
 - Code Management
 - Language Services
 - Libraries
 - Project Management
 - Quality Assurance & Testing
 - Requirements & Modeling

- Application Services**
- Application Interface
 - Business Logic
 - System Integration
 - System Interface

- Data Services**
- Authoring (Document & Multimedia Content)
 - Data Movement & File Transfer
 - Database and Objectbase
 - Document and Records Management
 - Image Capture & OCR
 - Inquiry, Analysis, & Information Discovery
 - Metadata
 - Report Creation and Distribution
 - Search
 - Streaming Media
 - Web Content Management

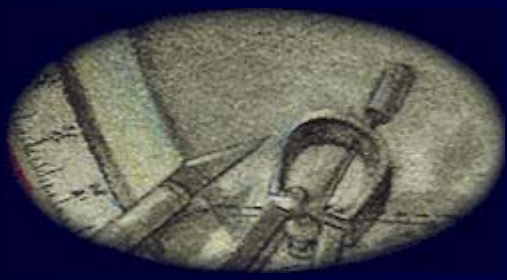
- Network Based Services**
- Address and Directory
 - Caching
 - Calendaring
 - Collaboration
 - E-mail and Messaging
 - Fax
 - File and Print
 - Portals and Personalization

- Network Services**
- External Business Partner & Public Connectivity - Extranet & Internet
 - LAN & Facility Backbone - Campus Access
 - Mobile, & Telecommuter - Remote Access
 - WAN
 - Wireless

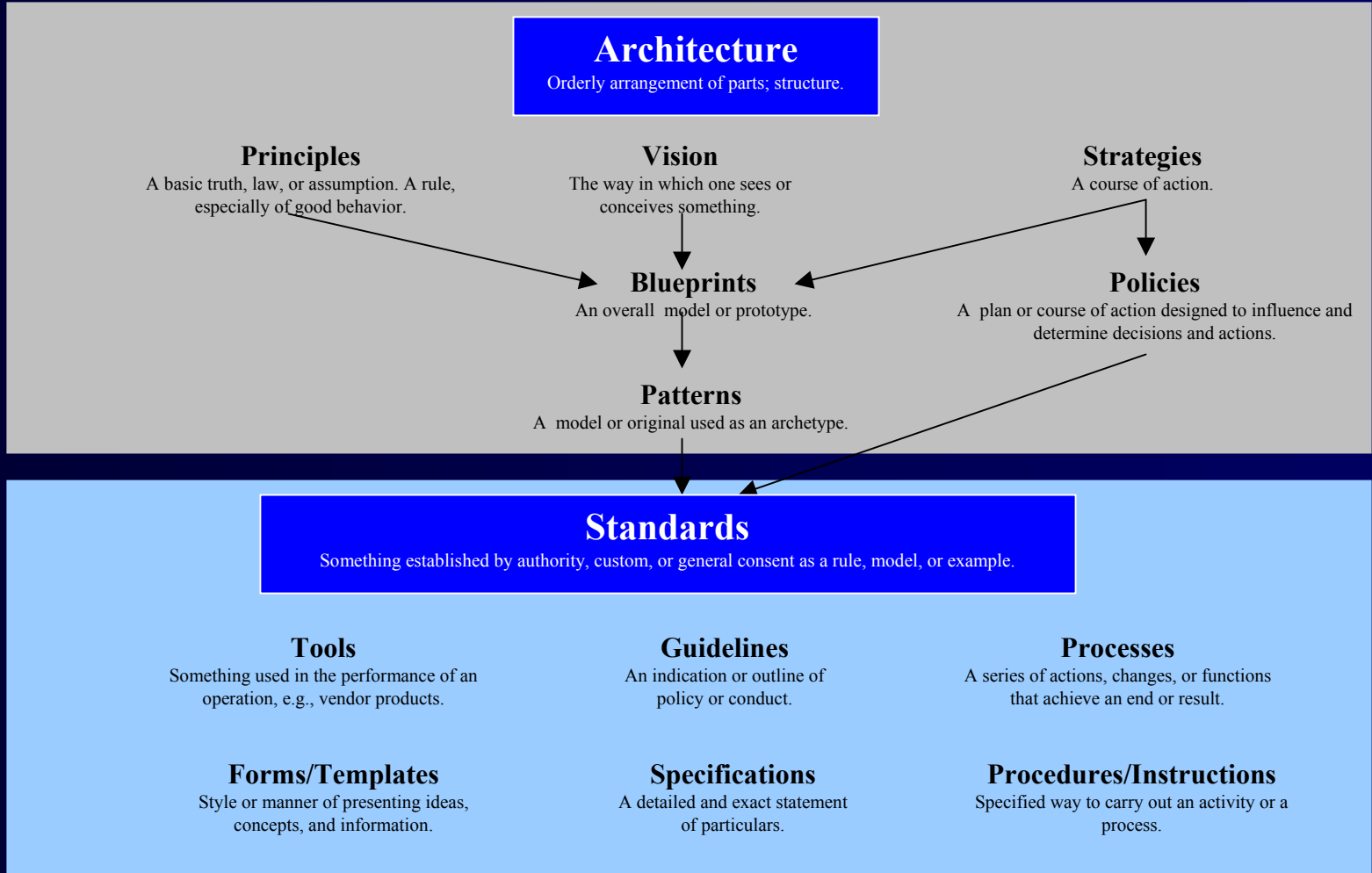
- Platform Services**
- Client
 - Server
 - Storage

- Operations Services**
- Business Continuity & Disaster Recovery
 - Communication
 - Deployment
 - Management
 - Optimization

- Security Services**
- Authorization
 - Confidentiality
 - Identification and Authentication
 - Integrity
 - Availability
 - Non-repudiation



Standards Taxonomy





Information Security Policy Framework

Principles

Management statements of intent for
accessing or using information assets
- What & Why -

Technology Neutral
Adaptable
Consistent Approach

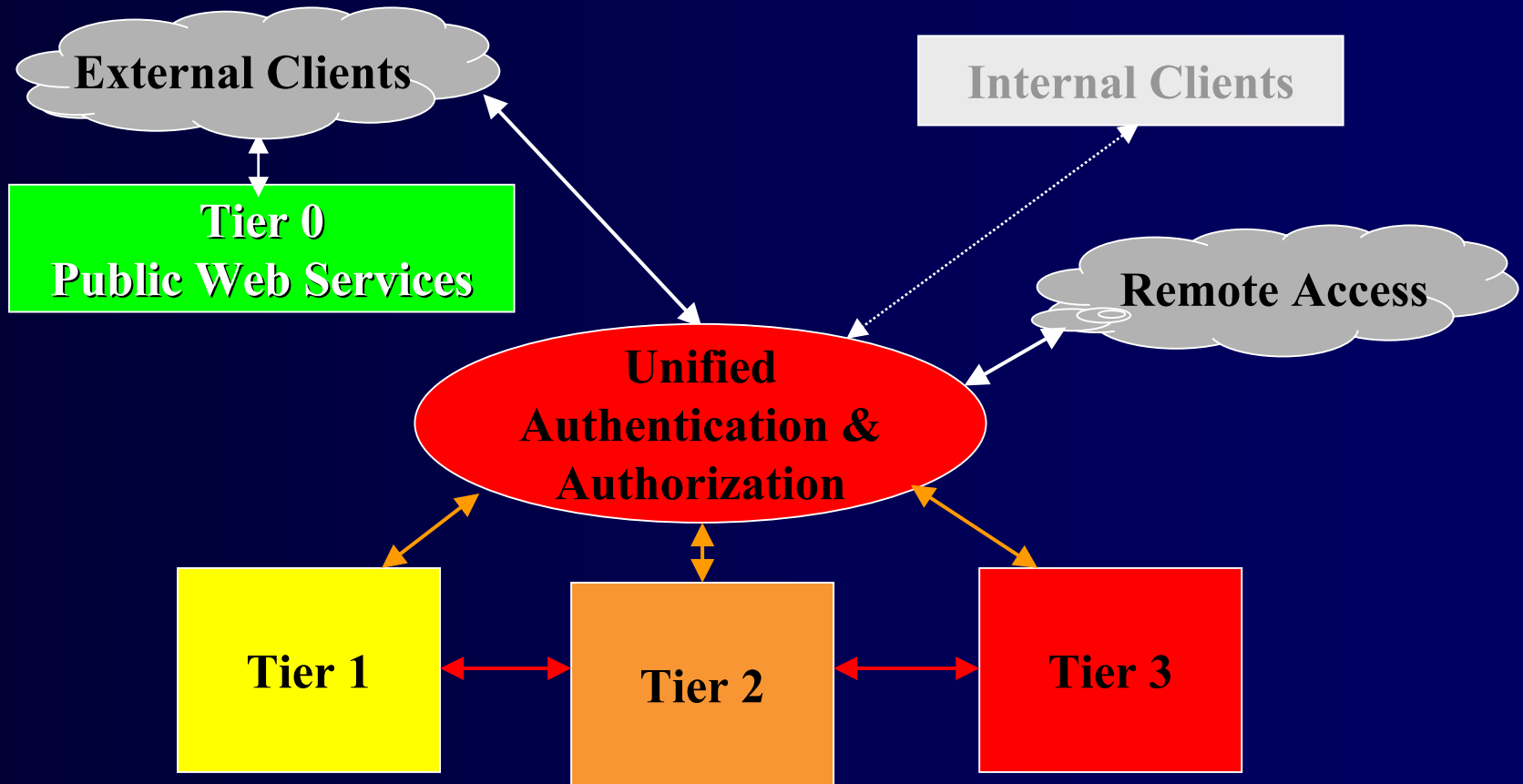
Practices

Define controls that
support Principles
- When, Where, & Who

How to configure, deploy & secure
a specific technology &/or process
- How -

Standards

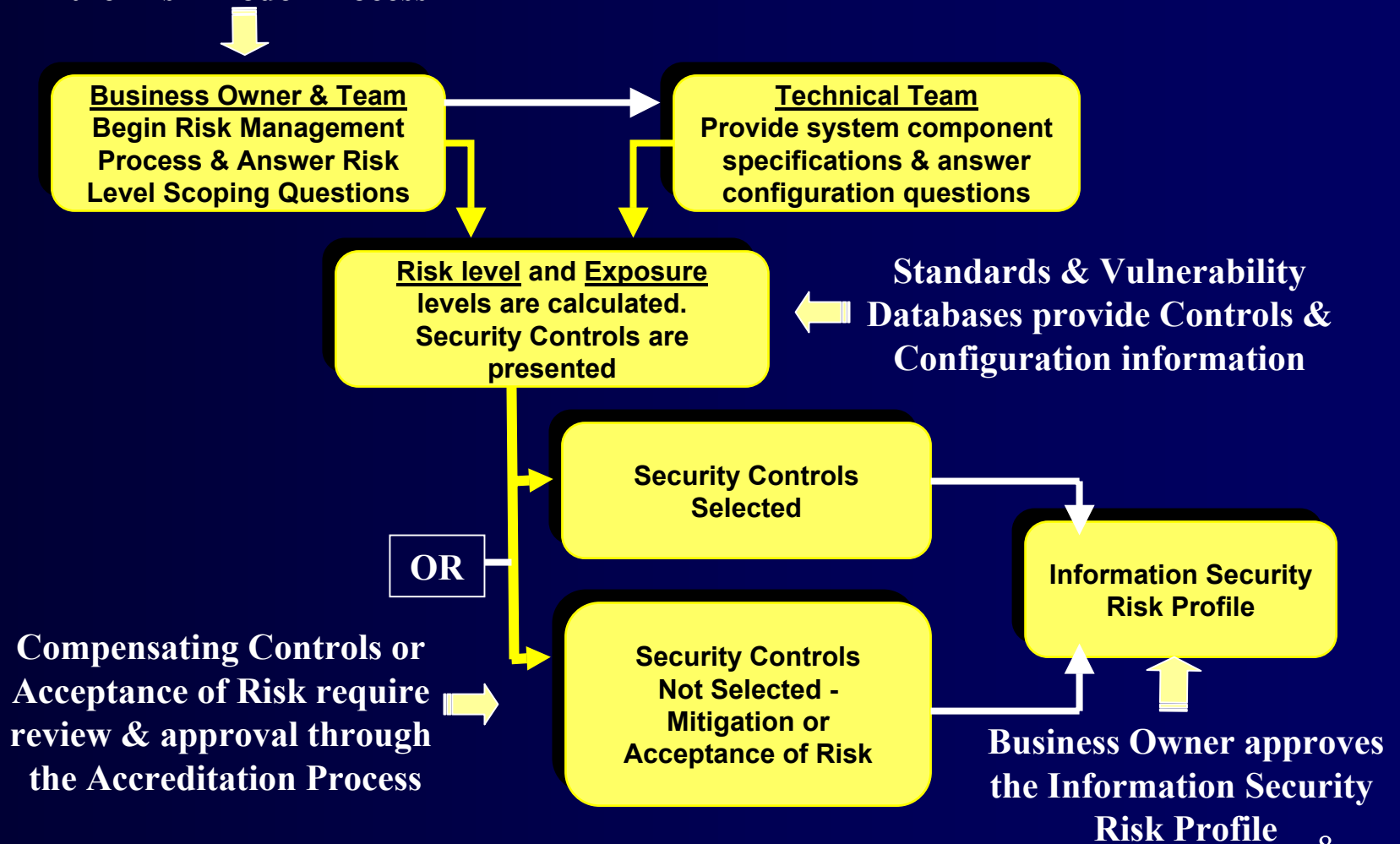
New Security Architecture



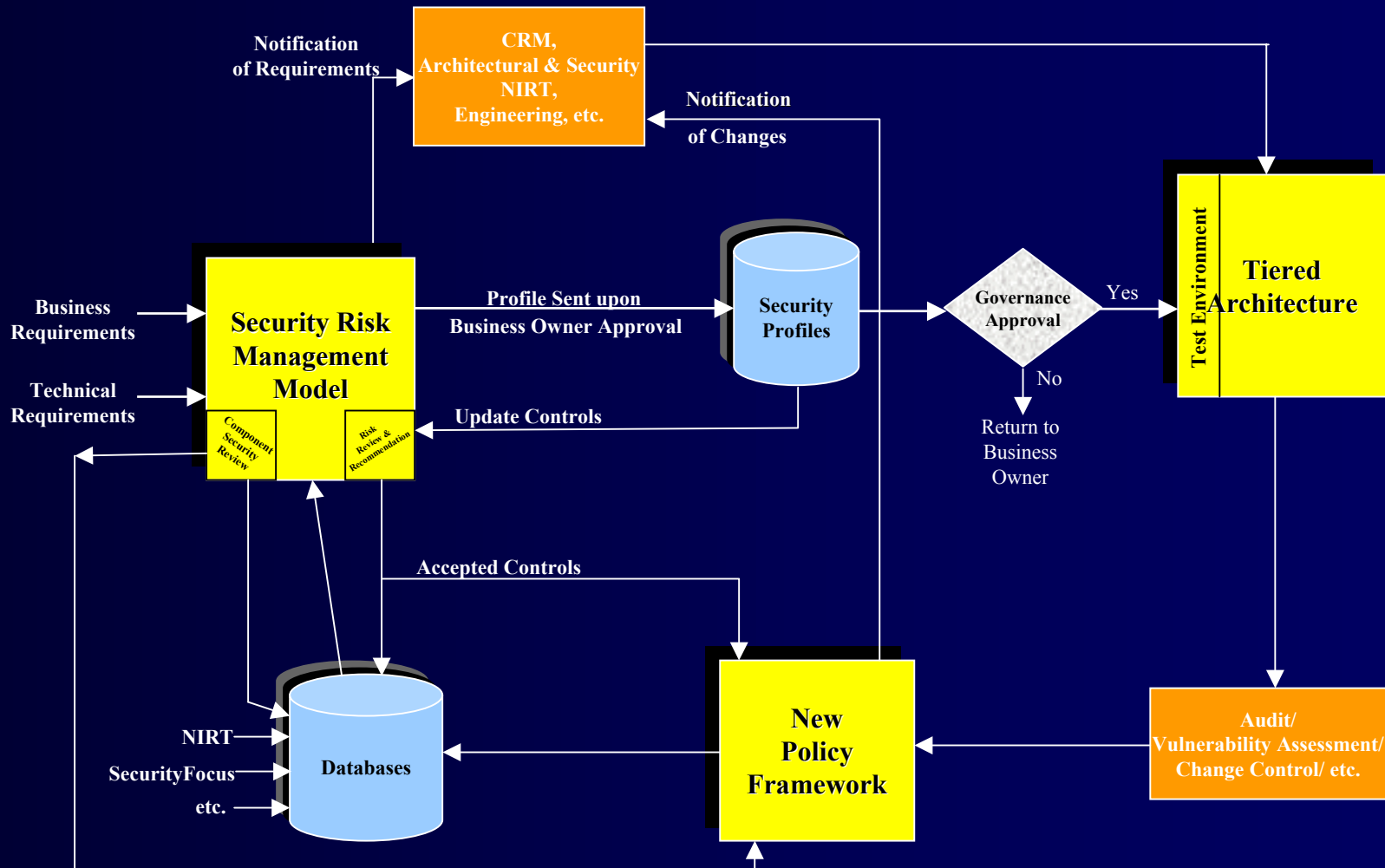
Pre-defined environments based on risk tolerance.

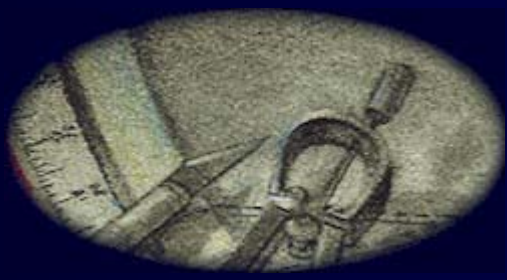
Information Security Risk Management Model

Business Owner initiates the Risk Model Process



Risk-based Security Initiatives - Overview





Questions?