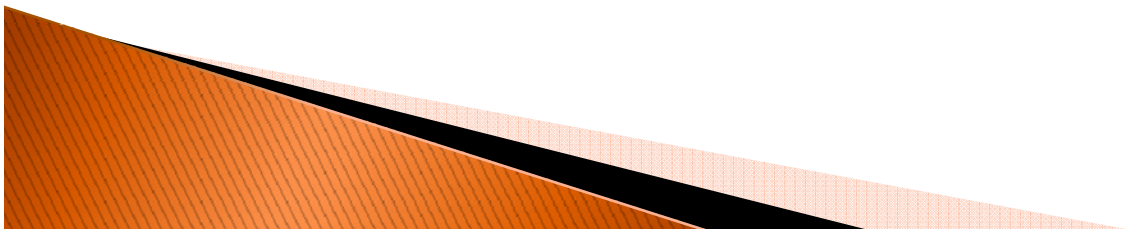


ITD Security Measures

- ▶ Security Principles
 - Prevention
 - Detection
 - Response
- ▶ Security Layers
 - Network Security
 - Host Security
 - Application Security
- ▶ Effective security will apply all three principles across the security layers.



State of North Dakota - Security Matrix

	Network	Host	Application	User
Assess	External Audits (State Auditor, IRS, DHS, BND)			
	Formal Risk Assessments - PENDING			
		Vulnerability Scan - (Nessus)	Application Scans - (AppScan)	
Protect	Standards and Policies (Enterprise Architecture and Internal ITD)			
	Firewalls	Authentication/Permission Systems - (Active Directory, RACF)		User Education Awareness
	VPN Remote Access	Encryption (Email)	Encryption (SSL)	
	Internet Filtering	Digital Certificates / Certificate Authority		
		Anti-Virus/Anti-Spyware		
		Key Card Access		
Detect	Event Logs			
	Correlation Engine/Managed Security Services - PENDING			
	Intrusion Detection (NIDS)	Camera Monitoring		
Respond	Security Incident Response Team and Policy			
		Automated User ID Revocation		
	Disaster Recovery Plans and High Availability Systems			