



INSIDER THREAT MITIGATION

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BRUSSELS BELGIUM

Physical Protection Component

U.S. Nuclear Regulatory's Insider Mitigation Program

CO-HOSTED BY    federal agency for nuclear control

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Concept of the Insider Threat Is Not New



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- **“*Quis custodiet ipsos custodes?*”** is a Latin phrase attributed to the Roman poet Juvenal from his *Satires* (Satire VI, lines 347–8), which is literally translated as **“Who will guard the guards themselves?”**
- While the concept of the insider threat is not new, an insider mitigation program should be a defense-in-depth adaptable approach to meet the challenges of an ever changing global threat environment.
- The Nuclear Regulatory Commission’s (NRC’s) security programs, to include the Insider Mitigation Program, are mature and generally consistent with the intent of INFCIRC 225.
- My presentation will focus on the physical protection component of the NRC’s insider mitigation program.

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Objective of the NRC Insider Mitigation Program

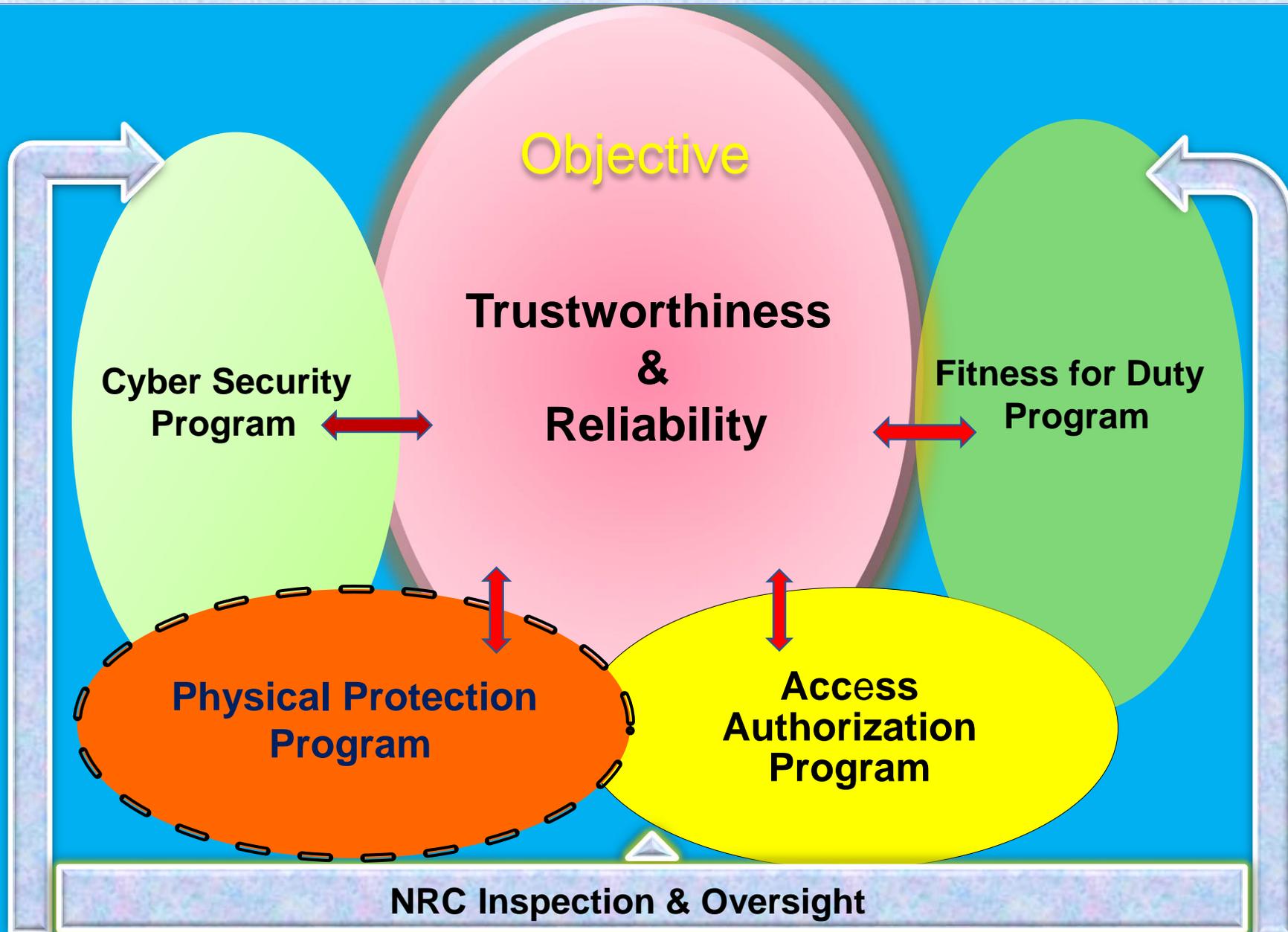


- Licensee oversight and monitoring of the initial and continuing trustworthiness and reliability of individuals by minimizing the potential for an insider to directly or indirectly have an adverse impact on the licensee's capability to prevent significant core damage or spent fuel sabotage.
 - Applies to all individuals following licensee's initial unescorted access (UA) and unescorted access authorization (UAA) determination and/or certification of UA & UAA.
 - Applies to individuals who retain UA or UAA.
 - Shall be described in the licensee's physical security plan to meet the design basis threat.

Integration of NRC Required Insider Mitigation Components *Defense-In-Depth*



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Physical Protection Mitigation Components



- **Biometric identity verification tools**
 - Hand geometry for access to protected areas
 - Retina scans for access to protected areas
 - Finger print scanning devices
- **Access to criminal history data and other robust databases.**
- **3-year updates to background checks for security officers**
- **National Instant Criminal Background Checks for guards**
- **State-of-the-art video surveillance**
- **Explosive and metal detection devices**
- **Detection devices for drug and alcohol use**
- **Badges with coded access permissions**
- **31-day vital area access reviews**
- **Roving security officer patrols**
- **Oversight and inspection of licensee physical security plans**
- **Required information sharing database tool (PADS)**
- **Required weapons and behavior observation training**

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Legislative & Regulatory Authority Important to Success of Insider Programs Establishes the Necessary Framework



- Insider mitigation programs are more effective with standards that have a basis in law and are codified within a regulatory framework.
 - Establishes minimum requirements which can be inspected by an independent regulatory body to ensure processes and procedures within programs are functioning as intended.
 - Provides oversight and clarity for the facility owners and/or operators
 - Public confidence is enhanced with an independent regulator
 - Compliance inspections
 - Regulatory frameworks benefit from processes that provide a means to accommodate changes as necessary.
 - Rulemaking
 - Orders & Generic Communications
 - Guidance documents