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National Industrial Security Systems (UL2050)

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CSAA Webinar

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The Origin of the Program

- The Purpose and Partnership
- Flexibility of Application
 - Rational
 - Cost Effective
 - Threat Appropriate


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Documents Defining Security

National Industrial Security Systems, UL 2050

National Industrial Security Systems Program Operating Manual (NISPOM)
Manual for Physical Security of Sensitive Conventional Arms, Ammunition, and Explosives (DoD 5100.76-M)
Joint Air Force Army Navy Physical Security Manual 6/9 (JAFAN 6/9)

Director of Central Intelligence Directive 6/9 (DICD 6/9)

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The Players

- *Cognizant Security Agency / Office*
- *Underwriters Laboratories*
- *Listed Alarm Service Companies (ASC)*
 - *Monitoring Organizations*
 - *Guard Companies*
- *Government Contractors*

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Two Categories Are to be Covered

- National Industrial Security Systems (CRZH)
- National Industrial Monitoring Station (CRZM)

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National Industrial Security Systems (CRZH)

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Could this Listing be Right for You?

- A small independent can compete equally with a large or nationally based ASC
- The requirement is imbedded in US government manuals
- Each room or area becomes a separate alarm system
- There is a wide distribution of government contractors in the US

Who Is Responsible

- 4.3 of UL2050
 - ASC may assign monitoring & investigation **but retain responsibility**
 - ASC may assign installation & service provided **they supervise & verify correctness**
 - ASC may assign maintenance, but **only to personnel that work exclusively for the ASC Service Center**

Assigning Elements of Service



Government Contractor Monitoring Station

- Purpose - to monitor intrusion detection systems (IDS) that are installed in the following areas:
 - Areas occupied by the government contractor that operates the GCMS
 - Areas occupied by a subcontractor
 - Areas occupied by other government contractors
- **Verified and Maintained by the ASC Service Center**

National Industrial Monitoring Station

- Purpose - to monitor IDS installed in the following areas that are **more than 4 hours away** from the monitoring station or **not maintained by the ASC Service Center** :
 - Areas occupied by the government contractor that operates the NIMS
 - Areas occupied by a subcontractor
 - Areas occupied by other government contractors
- ASC Service Center is not required to verify and maintain because NIMS is UL Listed

Commercial UL Central Stations Provide

- Monitoring of IDS (AKA Alarm Systems)
 - (operators & station may have to be cleared)
- Processing of Signals & Creation of Records
- Dispatching Investigators
- Periodic Testing of Communication Links to Investigators

Signal Processing in GCMS, NIMS, or a Central Station

- Record each of the following types of signals
 - Openings & Closings
 - Alarms
 - Troubles
- Maintain current lists of the following
 - Authorized operators of the system
 - Personnel to be notified of an alarm
 - The FSO/SSO
 - Service department personnel in the alarm service company that maintains the system

Law-Enforcement Agency/ Public Emergency Center

- Requires Prior Approval by CSA/CSO
- Monitors System for Alarms & Trouble Conditions
- Dispatches Investigators

Response Teams & Times

Primary Investigator	Secondary Investigator	Response Times
Government Contractor Investigator	None	5, 15, 20, or 30*
Private Guard (without unescorted access)	Government Contractor Representative	5, 15, 20, or 30 (Primary), 60 min for Representative
Law Enforcement	Government Contractor Representative	No Time Stated for Primary, 60 Min for Representative
Government Contractor Representative	None	60 Minutes

*Requires prior approval by CSA/CSO

Other Elements

- Records of Signal Processing
 - ASC verifies correctness of processing
- Trouble Signals & Service Calls
 - 4-Hour service response or watched areas
- Contracts
 - Between ASC & Monitoring Station, Investigators & Gov. Contractor
- Training
 - ASC arranges for and verifies
 - Conducted annually or when changes

Security of Communication Channels

Communication paths from the alarmed area to the monitoring center are as important as the installation

Line Security -

The supervision against compromise using 2 way communication (For Example Data Network or 2 way RF)

May be either Standard or Encrypted

Non-Line Security - (Requires prior approval by CSA/CSO)

(For Example DACT, Cellular, or 1 way RF)

The supervision of a single fault condition on the communication path

Exists when there is 1 way communication

Requirements for Encryption

- Certified by NIST
 - As 128 Bit Encryption
 - Complying with FIPS 140-2 OR FIPS 197
- Listed by UL as Line Security Equipment
- Generally Required When Data Networks are used

Alarm Installations

- The alarm installation is created in each room, area or container requiring certification
- The installation requirements are based on UL 681
- Some special practices are found in UL 2050

Extents of Protection

- Closed Areas, SCIFs & Special Access Program Facility (SAPF) are Extent 3
- Depending on the readiness for use, some areas housing AA&E require an Extent 2
- Containers & Vaults are generally Extent Complete
- Some Containers & Vaults housing AA&E may be Extent Partial

National Industrial Monitoring Stations (CRZM)

Origin of Category

- To develop a means of determining the qualification of a monitoring location that is distant from the protected property
- To clarify the responsibility for the continued compliance of the monitoring facility

How is that different from a GCMS?

- UL2050 defines a GCMS as –
 - “A station operated by a government contractor for the purpose of monitoring industrial security systems that are installed in areas occupied by that government contractor, or industrial security systems installed in areas occupied by other government contractors.”
- A GCMS shall be maintained by the ASC Service Center to which the Certificate was issued

National Industrial Monitoring Station Listing is Required for a Government Contractor When -

- The GCMS is not within the service territory of the ASC Service Center to which the certificate was provided
- OR**
- The GCMS is maintained by another ASC Service Center or the government contractor

What About Central Stations?

- Any UL Listed Central Station can monitor CRZH certificated systems
- A UL Listed Central Station may add the CRZM Listing if they wish
- The process focuses on the knowledge of signal processing requirements in UL 2050

Are There Opportunities for Your Company in the CRZH Category?

- A small independent can compete equally with a large or nationally based ASC
- The requirement is imbedded in US government manuals
- Each room or area becomes a separate alarm system
- There is a wide distribution of government contractors in the US

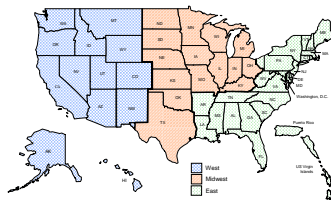
Finding the Opportunities

- American Society for Industrial Security (ASIS)
 - www.asisonline.org
- National Classification Management Society (NCMS)
 - www.classmgmt.com

Establishing a Listing

- Contact UL for a Pre-evaluation data package in either CRZH or CRZM
- For CRZH prepare two sample systems
 - Samples may be prototypes or actual
 - 1 room or area, 1 safe or container
 - Samples must be monitored & investigated
- Contact UL for a quote & evaluation

UL Certificate Service Territories for Alarm Systems and Services



Regional Contacts

West Coast: Larry Gross 408 422 7285
Mid West: Joe Weller 847 664 2368
East Coast: Pete Tallman 631 546 2415

Quotes

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QUESTIONS?