Minimum Security Criteria – Marine Port Authority and Terminal Operators

March 2020

Note: Criteria ID numbers may not be sequential. ID numbers not listed are not applicable to Marine Port Authority and Terminal Operators.

First Focus Area: Corporate Security

1. **Security Vision & Responsibility** – For a CTPAT Member's supply chain security program to become and remain effective, it must have the support of a company's upper management. Instilling security as an integral part of a company's culture and ensuring that it is a companywide priority is in large part the responsibility of the company's leadership.

ID	Criteria	Implementation Guidance	Must / Should
1.1	In promoting a culture of security, CTPAT Members should demonstrate their commitment to supply chain security and the CTPAT Program through a statement of support. The statement should be signed by a senior company official and displayed in appropriate company locations.	Statement of support should highlight the importance of protecting the supply chain from criminal activities such as drug trafficking, terrorism, human smuggling, and illegal contraband. Senior company officials who should support and sign the statement may include the president, CEO, general manager, or security director. Areas to display the statement of support include the company's website, on posters in key areas of the company (reception; packaging; warehouse; etc.), and/or be part of company security seminars, etc.	Should
1.2	To build a robust Supply Chain Security Program, a company should incorporate representatives from all of the relevant departments into a cross-functional team. These new security measures should be included in existing company procedures, which creates a more sustainable structure and emphasizes that supply chain security is everyone's responsibility.	Supply Chain Security has a much broader scope than traditional security programs. It is intertwined with Security, in many departments such as Human Resources, Information Technology, and Import/Export offices. Supply Chain Security programs built on a more traditional, security department-based model may be less viable over the long run because the responsibility to carry out the security measures are concentrated among fewer employees, and, as a result, may be susceptible to the loss of key personnel.	Should

ID	Criteria	Implementation Guidance	Must / Should
1.3	The supply chain security program must be designed with, supported by, and implemented by an appropriate written review component. The purpose of this review component is to document that a system is in place whereby personnel are held accountable for their responsibilities and all security procedures outlined by the security program are being carried out as designed. The review plan must be updated as needed based on pertinent changes in an organization's operations and level of risk.	The goal of a review for CTPAT purposes is to ensure that its employees are following the company's security procedures. The review process does not have to be complex. The Member decides the scope of reviews and how in-depth they will be - based on its role in the supply chain, business model, level of risk, and variations between specific locations/sites. Smaller companies may create a very simple review methodology; whereas, a large multi-national conglomerate may need a more extensive process, and may need to consider various factors such as local legal requirements, etc. Some large companies may already have a staff of auditors that could be leveraged to help with security reviews. A Member may choose to use smaller targeted reviews directed at specific procedures. Specialized areas that are key to supply chain security such as inspections and seal controls may undergo reviews specific to those areas. However, it is useful to conduct an overall general review periodically to ensure that all areas of the security program are working as designed. If a member is already conducting reviews as part of its annual review, that process could suffice to meet this criterion. For members with high-risk supply chains (determined by their risk assessment), simulation or tabletop exercises may be included in the review program to ensure personnel will know how to react in the event of a real security incident.	Must
1.4	The company's point(s) of contact (POC) to CTPAT must be knowledgeable about CTPAT program requirements. These individuals need to provide regular updates to upper management on issues related to the program, including the progress or outcomes of any audits, security related exercises, and CTPAT validations.	CTPAT expects the designated POC to be a proactive individual who engages and is responsive to his or her Supply Chain Security Specialist. Members may identify additional individuals who may help support this function by listing them as contacts in the CTPAT Portal.	Must

2. **Risk Assessment** – The continuing threat of terrorist groups and criminal organizations targeting supply chains underscores the need for Members to assess existing and potential exposure to these evolving threats. CTPAT recognizes that when a company has multiple supply chains with numerous business partners, it faces greater complexity in securing those supply chains. When a company has numerous supply chains, it should focus on geographical areas/supply chains that have higher risk.

When determining risk within their supply chains, Members must consider various factors such as the business model, geographic location of suppliers, and other aspects that may be unique to a specific supply chain.

Key Definition: Risk – A measure of potential harm from an undesirable event that encompasses threat, vulnerability, and consequence. What determines the level of risk is how likely it is that a threat will happen. A high probability of an occurrence will usually equate to a high level of risk. Risk may not be eliminated, but it can be mitigated by managing it – lowering the vulnerability or the overall impact on the business.

ID	Criteria	Implementation Guidance	Must / Should
2.1	CTPAT Members must conduct and document the amount of risk in their supply chains. CTPAT Members must conduct an overall risk assessment (RA) to identify where security vulnerabilities may exist. The RA must identify threats, assess risks, and incorporate sustainable measures to mitigate vulnerabilities. The member must take into account CTPAT requirements specific to the member's role in the supply chain.	The overall risk assessment (RA) is made up of two key parts. The first part is a self-assessment of the Member's supply chain security practices, procedures, and policies within the facilities that it controls to verify its adherence to CTPAT's minimum-security criteria, and an overall management review of how it is managing risk. The second part of the RA is the international risk assessment. This portion of the RA includes the identification of geographical threat(s) based on the Member's business model and role in the supply chain. When looking at the possible impact of each threat on the security of the member's supply chain, the member needs a method to assess or differentiate between levels of risk. A simple method is assigning the level of risk between low, medium, and high. CTPAT developed the Five Step Risk Assessment guide as an aid to conducting the international risk assessment portion of a member's overall risk assessment, and it can be found on U.S. Customs and Border Protection's website at https://www.cbp.gov/sites/default/files/documents/C-TPAT%27s%20Five%20Step%20Risk%20Assessment%20Process.pdf. For Members with extensive supply chains, the primary focus is expected to be on areas of higher risk.	Must

ID	Criteria	Implementation Guidance	Must / Should
2.3	Risk assessments must be reviewed annually, or more frequently as risk factors dictate.	Circumstances that may require a risk assessment to be reviewed more frequently than once a year include an increased threat level from a specific country, periods of heightened alert, following a security breach or incident, changes in business partners, and/or changes in corporate structure/ownership such as mergers and acquisitions etc.	Must
2.4	CTPAT Members should have written procedures in place that address crisis management, business continuity, security recovery plans, and business resumption.	A crisis may include the disruption of the movement of trade data due to a cyberattack, a fire, or a carrier driver being hijacked by armed individuals. Based on risk and where the Member operates or sources from, contingency plans may include additional security notifications or support; and how to recover what was destroyed or stolen to return to normal operating conditions.	Should

3. **Business Partners –** CTPAT Members engage with a variety of business partners, both domestically and internationally. For those business partners who directly handle cargo and/or import/export documentation, it is crucial for the Member to ensure that these business partners have appropriate security measures in place to secure the goods throughout the international supply chain. When business partners subcontract certain functions, an additional layer of complexity is added to the equation, which must be considered when conducting a risk analysis of a supply chain.

   Key Definition: Business Partner – A business partner is any individual or company whose actions may affect the chain of custody security of goods being imported to or exported from the United States via a CTPAT Member's supply chain. A business partner may be any party that provides a service to fulfill a need within a company's international supply chain. These roles include all parties (both directly and indirectly) involved in the purchase, document preparation, facilitation, handling, storage, and/or movement of cargo for, or on behalf, of a CTPAT Importer or Exporter Member. Two examples of indirect partners are subcontracted carriers and overseas consolidation warehouses – arranged for by an agent/logistics provider.

ID	Criteria	Implementation Guidance	Must / Should
3.1	CTPAT Members must have a written, risk based process for screening new business partners and for monitoring current partners. A factor that Members should include in this process is checks on activity related to money laundering and terrorist funding. To assist with this process, please consult CTPAT's Warning Indicators for Trade-Based Money Laundering and Terrorism Financing Activities.	The following are examples of some of the vetting elements that can help determine if a company is legitimate: • Verifying the company's business address and how long they have been at that address; • Conducting research on the internet on both the company and its principals; • Checking business references; and • Requesting a credit report. Examples of business partners that need to be screened are direct business partners such as manufacturers, product suppliers, pertinent vendors/service providers, and transportation/logistics providers. Any vendors/service providers that are directly related to the company's supply chain and/or handle sensitive information/equipment are also included on the list to be screened; this includes brokers or contracted IT providers. How in-depth to make the screening depends on the level of risk in the supply chain.	Must

ID	Criteria	Implementation Guidance	Must / Should
3.4	The business partner screening process must take into account whether a partner is a CTPAT Member or a member in an approved Authorized Economic Operator (AEO) program with a Mutual Recognition Arrangement (MRA) with the United States (or an approved MRA). Certification in either CTPAT or an approved AEO is acceptable proof for meeting program requirements for business partners, and Members must obtain evidence of the certification and continue to monitor these business partners to ensure they maintain their certification.	Business partners' CTPAT certification may be ascertained via the CTPAT Portal's Status Verification Interface system. If the business partner certification is from a foreign AEO program under an MRA with the United States, the foreign AEO certification will include the security component. Members may visit the foreign Customs administration's website where the names of the AEOs of that Customs administration are listed, or request the certification directly from their business partners. Current United States MRAs include: New Zealand, Canada, Jordan, Japan, South Korea, the European Union (28 member states), Taiwan, Israel, Mexico, Singapore, the Dominican Republic, and Peru.	Must
3.5	When a CTPAT Member outsources or contracts elements of its supply chain, the Member must exercise due diligence (via visits, questionnaires, etc.) to ensure these business partners have security measures in place that meet or exceed CTPAT's Minimum Security Criteria (MSC).	Importers and exporters tend to outsource a large portion of their supply chain activities. Importers (and some exporters) are the parties in these transactions that usually have leverage over their business partners and can require that security measures are implemented throughout their supply chains, as warranted. For those business partners that are not CTPAT or accepted MRA members, the CTPAT Member will exercise due diligence to ensure (when it has the leverage to do so) that these business partners meet the program's applicable security criteria. To verify adherence to security requirements, importers conduct security assessments of their business partners. The process to determine how much information is to be gathered regarding a business partner's security program is based on the Member's risk assessment, and if numerous supply chains, high-risk areas are the priority. Determining if a business partner is compliant with the MSC can be accomplished in several ways. Based on risk, the company may	Must

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		conduct an onsite audit at the facility, hire a contractor/service provider to conduct an onsite audit, or use a security questionnaire. If security questionnaires are used, the level of risk will determine the amount of detail or evidence required to be collected. More details may be required from companies located in high-risk areas. If a Member is sending a security questionnaire to its business partners, consider requiring the following items: •Name and title of the person(s) completing it; •Date completed; •Signature of the individual(s) who completed the document; •*Signature of a senior company official, security supervisor, or authorized company representative to attest to the accuracy of the questionnaire; •Provide enough detail in responses to determine compliance; and •Based on risk, and if allowed by local security protocols, include photographic evidence, copies of policies/procedures, and copies of completed forms like Instruments of International Traffic inspection checklists and/or guard logs. *Signatures may be electronic. If a signature is difficult to obtain/verify, the respondent may attest to the questionnaire's validity via email, and that the responses and any supporting evidence was approved by a supervisor/manager (name and title are required).	

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3.7	To ensure their business partners continue to comply with CTPAT's security criteria, Members should update their security assessments of their business partners on a regular basis, or as circumstances/risks dictate.	Periodically reviewing business partners' security assessments is important to ensure that a strong security program is still in place and operating properly. If a member never required updates to its assessment of a business partner's security program, the Member would not know that a once viable program was no longer effective, thus putting the member's supply chain at risk. Deciding on how often to review a partner's security assessment is based on the Member's risk assessment process. Higher risk supply chains would be expected to have more frequent reviews than low risk ones. If a Member is evaluating its business partner's security by in person visits, it may want to consider leveraging other types of required visits. For example, cross-train personnel that test for quality control to also conduct security verifications. Circumstances that may require the self-assessment to be updated more frequently include an increased threat level from a source country, changes in source location, new critical business partners (those that actually handle the cargo, provide security to a facility, etc.).	Should

4. **Cybersecurity** – In today's digital world, cybersecurity is the key to safeguarding a company's most precious assets – intellectual property, customer information, financial and trade data, and employee records, among others. With increased connectivity to the internet comes the risk of a breach of a company's information systems. This threat pertains to businesses of all types and sizes. Measures to secure a company's information technology (IT) and data are of paramount importance, and the listed criteria provide a foundation for an overall cybersecurity program for Members.

Key Definitions: Cybersecurity – Cybersecurity is the activity or process that focuses on protecting computers, networks, programs, and data from unintended or unauthorized access, change or destruction. It is the process of identifying, analyzing, assessing, and communicating a cyber-related risk and accepting, avoiding, transferring, or mitigating it to an acceptable level, considering costs and benefits taken.

Information Technology (IT) – IT includes computers, storage, networking and other physical devices, infrastructure and processes to create, process, store, secure, and exchange all forms of electronic data.

ID	Criteria	Implementation Guidance	Must / Should
4.1	CTPAT Members must have comprehensive written cybersecurity policies and/or procedures to protect information technology (IT) systems. The written IT policy, at a minimum, must cover all of the individual Cybersecurity criteria.	Members are encouraged to follow cybersecurity protocols that are based on recognized industry frameworks/standards. The *National Institute of Standards and Technology (NIST) is one such organization that provides a Cybersecurity Framework (https://www.nist.gov/cyberframework) that offers voluntary guidance based upon existing standards, guidelines, and practices to help manage and reduce cybersecurity risks both internally and externally. It can be used to help identify and prioritize actions for reducing cybersecurity risk, and it is a tool for aligning policy, business, and technological approaches to managing that risk. The Framework complements an organization's risk management process and cybersecurity program. Alternatively, an organization without an existing cybersecurity program can use the Framework as a reference to establish one. *NIST is a non-regulatory federal agency under the Department of Commerce that promotes and maintains measurement standards, and it is the technology standards developer for the federal government.	Must

ID	Criteria	Implementation Guidance	Must / Should
4.2	To defend Information Technology (IT) systems against common cybersecurity threats, a company must install sufficient software/hardware protection from malware (viruses, spyware, worms, Trojans, etc.) and internal/external intrusion (firewalls) in Members' computer systems. Members must ensure that their security software is current and receives regular security updates. Members must have policies and procedures to prevent attacks via social engineering. If a data breach occurs or another unseen event results in the loss of data and/or equipment, procedures must include the recovery (or replacement) of IT systems and/or data.		Must
4.3	CTPAT Members using network systems must regularly test the security of their IT infrastructure. If vulnerabilities are found, corrective actions must be implemented as soon as feasible.	A secure computer network is of paramount importance to a business, and ensuring that it is protected requires testing on a regular basis. This can be done by scheduling vulnerability scans. Just like a security guard checks for open doors and windows at a business, a vulnerability scan (VS) identifies openings on your computers (open ports and IP addresses), their operating systems, and software through which a hacker could gain access to the company's IT system. The VS does this by comparing the results of its scan against a database of known vulnerabilities and produces a correction report for the business to act upon. There are many free and commercial versions of vulnerability scanners available. The frequency of the testing will depend on various factors including the company's business model and level of risk. For example, companies should run these tests whenever there are changes to a business's network infrastructure. However, cyber-attacks are increasing among all sizes of businesses, and this needs to be considered when designing a testing plan.	Must

ID	Criteria	Implementation Guidance	Must / Should
4.4	Cybersecurity policies should address how a Member shares information on cybersecurity threats with the government and other business partners.	Members are encouraged to share information on cybersecurity threats with the government and business partners within their supply chain. Information sharing is a key part of the Department of Homeland Security's mission to create shared situational awareness of malicious cyber activity. CTPAT Members may want to join the National Cybersecurity and Communications Integration Center (NCCIC - https://www.us-cert.gov/nccic). The NCCIC shares information among public and private sector partners to build awareness of vulnerabilities, incidents, and mitigations. Cyber and industrial control systems users can subscribe to information products, feeds, and services at no cost.	Should
4.5	A system must be in place to identify unauthorized access of IT systems/data or abuse of policies and procedures including improper access of internal systems or external websites and tampering or altering of business data by employees or contractors. All violators must be subject to appropriate disciplinary actions.		Must
4.6	Cybersecurity policies and procedures must be reviewed annually, or more frequently, as risk or circumstances dictate. Following the review, policies and procedures must be updated if necessary.	An example of a circumstance that would dictate a policy update sooner than annually is a cyber attack. Using the lessons learned from the attack would help strengthen a Member's cybersecurity policy.	Must
4.7	User access must be restricted based on job description or assigned duties. Authorized access must be reviewed on a regular basis to ensure access to sensitive systems is based on job requirements. Computer and network access must be removed upon employee separation.		Must

ID	Criteria	Implementation Guidance	Must / Should
4.8	Individuals with access to Information Technology (IT) systems must use individually assigned accounts. Access to IT systems must be protected from infiltration via the use of strong passwords, passphrases, or other forms of authentication, and user access to IT systems must be safeguarded. Passwords and/or passphrases must be changed as soon as possible if there is evidence of compromise or reasonable suspicion of a compromise exists.	To guard IT systems against infiltration, user access must be safeguarded by going through an authentication process. Complex login passwords or passphrases, biometric technologies, and electronic ID cards are three different types of authentication processes. Processes that use more than one measure are preferred. These are referred to as two-factor authentication (2FA) or multi-factor authentication (MFA). MFA is the most secure because it requires a user to present two or more pieces of evidence (credentials) to authenticate the person's identity during the log-on process. MFAs can assist in closing network intrusions exploited by weak passwords or stolen credentials. MFAs can assist in closing these attack vectors by requiring individuals to augment passwords or passphrases (something you know) with something you have, like a token, or one of your physical features - a biometric. If using passwords, they need to be complex. The National Institute of Standards and Technology's (NIST) NIST Special Publication 800-63B: Digital Identity Guidelines, includes password guidelines (https://pages.nist.gov/800-63-3/sp800-63b.html). It recommends the use of long, easy to remember passphrases instead of words with special characters. These longer passphrases (NIST recommends allowing up to 64 characters in length) are considered much harder to crack because they are made up of an easily memorized sentence or phrase.	Must
4.9	Members that allow their users to remotely connect to a network must employ secure technologies, such as virtual private networks (VPNs), to allow employees to access the company's intranet securely when located outside of the office. Members must also have procedures designed to prevent remote access from unauthorized users.	VPNs are not the only choice to protect remote access to a network. Multi-factor authentication (MFA) is another method. An example of a multi-factor authentication would be a token with a dynamic security code that the employee must type in to access the network.	Must

ID	Criteria	Implementation Guidance	Must / Should
4.10	If Members allow employees to use personal devices to conduct company work, all such devices must adhere to the company's cybersecurity policies and procedures to include regular security updates and a method to securely access the company's network.	Personal devices include storage media like CDs, DVDs, and USB flash drives. Care must be taken if employees are allowed to connect their personal media to individual systems since these data storage devices may be infected with malware that could propagate using the company's network.	Must
4.11	Cybersecurity policies and procedures should include measures to prevent the use of counterfeit or improperly licensed technological products.	Computer software is intellectual property (IP) owned by the entity that created it. Without the express permission of the manufacturer or publisher, it is illegal to install software, no matter how it is acquired. That permission almost always takes the form of a license from the publisher, which accompanies authorized copies of software. Unlicensed software is more likely to fail as a result of an inability to update. It is more prone to contain malware, rendering computers and their information useless. Expect no warranties or support for unlicensed software, leaving your company on its own to deal with failures. There are legal consequences for unlicensed software as well, including stiff civil penalties and criminal prosecution. Software pirates increase costs to users of legitimate, authorized software and decrease the capital available to invest in research and development of new software. Members may want to have a policy that requires product key labels and certificates of authenticity to be kept when new media is purchased. CDs, DVDs, and USB media include holographic security features to help ensure you receive authentic products and to protect against counterfeiting.	Should

ID	Criteria	Implementation Guidance	Must / Should
4.12	Data should be backed up once a week or as appropriate. All sensitive and confidential data should be stored in an encrypted format.	Data backups should take place as data loss may affect individuals within an organization differently. Daily backups are also recommended in case production or shared servers are compromised/lose data. Individual systems may require less frequent backups, depending on what type of information is involved. Media used to store backups should preferably be stored at a facility offsite. Devices used for backing up data should not be on the same network as the one used for production work. Backing up data to a cloud is acceptable as an "offsite" facility.	Should
4.13	All media, hardware, or other IT equipment that contains sensitive information regarding the import/export process must be accounted for through regular inventories. When disposed, they must be properly sanitized and/or destroyed in accordance with the National Institute of Standards and Technology (NIST) Guidelines for Media Sanitization or other appropriate industry guidelines.	Some types of computer media are hard drives, removable drives, CD-ROM or CD-R discs, DVDs, or USB drives. The National Institute of Standards and Technology (NIST) has developed the government's data media destruction standards. Members may want to consult NIST standards for sanitization and destruction of IT equipment and media. Media Sanitization: https://www.nist.gov/publications/nist-special-publication-800-88-revision-1-guidelines-media-sanitization	Must

Second Focus Area: Transportation Security

5. **Conveyance and Instruments of International Traffic Security** – Smuggling schemes often involve the modification of conveyances and Instruments of International Traffic (IIT), or the hiding of contraband inside IIT. This criteria category covers security measures designed to prevent, detect, and/or deter the altering of IIT structures or surreptitious entry into them, which could allow the introduction of unauthorized material or persons.

   At the point of stuffing/loading, procedures need to be in place to inspect IIT and properly seal them. Cargo in transit or "at rest" is under less control, and is therefore more vulnerable to infiltration, which is why seal controls and methods to track cargo/conveyances in transit are key security criteria.

   Breaches in supply chains occur most often during the transportation process; therefore, Members must be vigilant that these key cargo criteria be upheld throughout their supply chains.

   Key Definition: Instruments of International Traffic (IIT) – IIT includes containers, flatbeds, unit load devices (ULDs), lift vans, cargo vans, shipping tanks, bins, skids, pallets, caul boards, cores for textile fabrics, or other specialized containers arriving (loaded or empty), in use or to be used in the shipment of merchandise in international trade.

ID	Criteria	Implementation Guidance	Must / Should
5.1	Conveyances and Instruments of International Traffic (IIT) must be stored in a secure area to prevent unauthorized access, which could result in an alteration to the structure of an Instrument of International Traffic or (as applicable) allow the seal/doors to be compromised.	The secure storage of conveyances and Instruments of International Traffic (both empty and full) is important to guard against unauthorized access.	Must

ID	Criteria	Implementation Guidance	Must / Should
5.6	All security inspections should be performed in an area of controlled access and, if available, monitored via a CCTV system.		Should
5.29	If a credible (or detected) threat to the security of a shipment or conveyance is discovered, the Member must alert (as soon as feasibly possible) any business partners in the supply chain that may be affected and any law enforcement agencies, as appropriate.		Must

6. **Seal Security** – The sealing of trailers and containers to attain continuous seal integrity, continues to be a crucial element of a secure supply chain. Seal security includes having a comprehensive written seal policy that addresses all aspects of seal security, such as using the correct seals per CTPAT requirements; properly placing a seal on IIT, and verifying that the seal has been affixed properly.

ID	Criteria	Implementation Guidance	Must / Should
6.1	CTPAT Members must have detailed, written high-security seal procedures that describe how seals are issued and controlled at the facility and during transit. Procedures must provide the steps to take if a seal is altered, tampered with, or has the incorrect seal number, including documentation of the event, communication protocols to partners, and investigation of the incident. The findings from the investigation must be documented, and any corrective actions must be implemented as quickly as possible. These written procedures must be maintained at the local operating level so that they are easily accessible. Procedures must be reviewed at least once a year and updated as necessary. Written seal controls must include the following elements:		Must

ID	Criteria	Implementation Guidance	Must / Should
	Controlling Access to Seals: • Management of seals is restricted to authorized personnel. • Secure storage. **Inventory, Distribution, & Tracking (Seal Log):** • Recording the receipt of new seals. • Issuance of seals recorded in log. • Track seals via the log. • Only trained, authorized personnel may affix seals to Instruments of International Traffic (IIT). **Controlling Seals in Transit**: • When picking up sealed IIT (or after stopping) verify the seal is intact with no signs of tampering. • Confirm the seal number matches what is noted on the shipping documents. Seals Broken in Transit: • If a load is examined, record the replacement seal number. • The driver must immediately notify dispatch when a seal is broken, indicate who broke the seal, and provide the new seal number. • The carrier must immediately notify the shipper, broker, and importer of the seal change and the replacement seal number. • The shipper must note the replacement seal number in the seal log. **Seal Discrepancies:** • Retain altered or tampered seals to aid in investigations. • Investigate the discrepancy; follow-up with corrective measures (if warranted). • As applicable, report compromised seals to CBP and the appropriate foreign government to aid in the investigation.		

ID	Criteria	Implementation Guidance	Must / Should
6.2	All CTPAT shipments that can be sealed must be secured immediately after loading/stuffing/packing by the responsible party (i.e. the shipper or packer acting on the shipper's behalf) with a high-security seal that meets or exceeds the most current International Organization for Standardization (ISO) 17712 standard for high-security seals. Qualifying cable and bolt seals are both acceptable. All seals used must be securely and properly affixed to Instruments of International Traffic that are transporting CTPAT Members' cargo to/from the United States.	The high-security seal used must be placed on the secure cam position, if available, instead of the right door handle. The seal must be placed at the bottom of the center most vertical bar of the right container door. Alternatively, the seal could be placed on the center most left-hand locking handle on the right container door if the secure cam position is not available. If a bolt seal is being used, it is recommended that the bolt seal be placed with the barrel portion or insert facing upward with the barrel portion above the hasp.	Must
6.5	CTPAT Members (that maintain seal inventories) must be able to document that the high-security seals they use meet or exceed the most current ISO 17712 standard.	Acceptable evidence of compliance is a copy of a laboratory testing certificate that demonstrates compliance with the ISO high-security seal standard. CTPAT Members are expected to be aware of the tamper indicative features of the seals they purchase.	Must
6.6	If a Member maintains an inventory of seals, company management or a security supervisor must conduct a seal audit that includes periodic inventory of stored seals and reconciliation against seal inventory logs and shipping documents. All audits must be documented. As part of the overall seal audit process, dock supervisors and/or warehouse managers must periodically verify seal numbers used on conveyances and Instruments of International Traffic.		Must

7. **Procedural Security –** Procedural Security encompasses many aspects of the import-export process, documentation, and cargo storage and handling requirements. Other vital procedural criteria pertain to reporting incidents and notification to pertinent law enforcement. Additionally, CTPAT often requires that procedures be written because it helps maintain a uniform process over time. Nevertheless, the amount of detail needed for these written procedures will depend upon various elements such as a company's business model or what is covered by the procedure.

   CTPAT recognizes that the technology used in supply chains continues to evolve. The terminology used throughout the criteria references written, paper-based procedures, documents, and forms. Electronic documents and signatures, and other digital technologies, however, are also acceptable ways to document required procedures.

   The CTPAT program is not designed to be a "one size fits all" model. Each company must decide (based on its risk assessment) how to implement and maintain procedures. However, it is more effective to incorporate security processes within existing procedures rather than create a separate manual for security protocols. This creates a more sustainable structure and helps emphasize that supply chain security is everyone's responsibility.

ID	Criteria	Implementation Guidance	Must / Should
7.2	Cargo staging areas, and the immediate surrounding areas, must be inspected on a regular basis to ensure these areas remain free of visible pest contamination.	Preventative measures such as the use of baits, traps, or other barriers can be used as necessary. Removal of weeds or reduction of overgrown vegetation may help in the elimination of pest habitat within staging areas.	Must
7.7	If paper documents are used, forms and other import/export related documentation should be secured to prevent unauthorized use.	Measures, such as using a locked filing cabinet, can be taken to secure the storage of unused forms, including manifests, to prevent unauthorized use of such documentation.	Should
7.19	Marine Port Authority and Terminal Operators (MPTO) must carry out its responsibility to set aside containers designated by U.S. Customs and Border Protection for examination, prior to be being released into the commerce of the United States. These containers must be delivered expeditiously to the exact location specified by U.S. Customs and Border Protection.		Must

ID	Criteria	Implementation Guidance	Must / Should
7.20	At the exit gate, Marine Port Authority and Terminal Operators (MPTO) must query each container in the Automated Commercial Environment (ACE) to ensure that the container has been approved for release by U.S. Customs and Border Protection.	Participation in ACE Ocean Automated manifest provides the Marine Port Authority and Terminal Operators an important communication capability regarding cargo/container holds and releases.	Must
7.21	Containers should be segregated according to Hazardous Materials (HAZMAT) and temporary storage designations.		Should
7.22	MPTOs should institute practices to routinely check storage areas for cargo/containers. Empty containers should be checked to ensure that they are empty, and devoid of false compartments.		Should
7.23	CTPAT Members must have written procedures for reporting an incident, which includes a description of the facility's internal escalation process. A notification protocol must be in place to report any suspicious activities or security incidents (such as drug seizures, discovery of stowaways, etc.) that take place anywhere around the world and which affects the security of the member's supply chain. As applicable, the Member must report any global incidents to its Supply Chain Security Specialist, the closest port of entry, any pertinent law enforcement agencies, and business partners that may be part of the affected supply chain. Notifications to CBP must be made as soon as feasibly possible and in advance of any conveyance or IIT crossing the border. Notification procedures must include the accurate contact information that lists the name(s) and phone number(s) of personnel requiring notification, as well as for law enforcement agencies. Procedures must be periodically reviewed to ensure contact information is accurate.	Examples of incidents warranting notification to U.S. Customs and Border Protection include (but are not limited to) the following: • Discovery of tampering with a container/IIT or high-security seal; • Discovery of a hidden compartment in a conveyance or IIT; • An unaccounted new seal has been applied to an IIT; • Smuggling of contraband, including people; stowaways; • Unauthorized entry into conveyances, locomotives, vessels, or aircraft carriers; • Extortion, payments for protection, threats, and/or intimidation; • Unauthorized use of a business entity identifier (i.e., Importer of Record (IOR) number, Standard Carrier Alpha (SCAC) code, etc.).	Must

ID	Criteria	Implementation Guidance	Must / Should
7.24	Procedures must be in place to identify, challenge, and address unauthorized/unidentified persons. Personnel must know the protocol to challenge an unknown/unauthorized person, how to respond to the situation, and be familiar with the procedure for removing an unauthorized individual from the premises.		Must
7.25	CTPAT Members should set up a mechanism to report security related issues anonymously. When an allegation is received, it should be investigated, and if applicable, corrective actions should be taken.	Internal problems such as theft, fraud, and internal conspiracies may be reported more readily if the reporting party knows the concern may be reported anonymously. Members can set up a hotline program or similar mechanism that allows people to remain anonymous if they fear reprisal for their actions. It is recommended that any report be kept as evidence to document that each reported item was investigated and that corrective actions were taken.	Should
7.27	All shortages, overages, and other significant discrepancies or anomalies must be investigated and resolved, as appropriate.		Must
7.28	Arriving cargo should be reconciled against information on the cargo manifest. Departing cargo should be verified against purchase or delivery orders.		Should

ID	Criteria	Implementation Guidance	Must / Should
7.29	Seal numbers assigned to specific shipments should be transmitted to the consignee prior to departure.		Should
7.37	Following a significant security incident, Members must initiate a postincident analysis immediately after becoming aware of the incident and in order to determine where the supply chain may have been compromised. This analysis must not impede/interfere with any known investigations conducted by a government law enforcement agency. The company's post-incident analysis findings must be documented, completed as soon as feasibly possible, and, if allowed by law enforcement authorities, made available to the SCSS upon request.	A security incident is a breach in which security measures have been circumvented, eluded, or violated, and have resulted or will result in a criminal act. Security incidents include acts of terrorism, smuggling (narcotics, human, etc.), and the presence of stowaways.	Must

Third Focus Area: People and Physical Security

9. **Physical Security** – Cargo handling and storage facilities, Instruments of International Traffic storage areas, and facilities where import/export documentation is prepared in domestic and foreign locations must have physical barriers and deterrents that guard against unauthorized access.

One of the cornerstones of CTPAT is flexibility, and security programs should be customized to fit each company's circumstances. The need for physical security can vary greatly based on the Member's role in the supply chain, its business model, and level of risk. The physical security criteria provides a number of deterrents/obstacles that will help prevent unwarranted access to cargo, sensitive equipment, and/or information, and Members should employ these security measures throughout their supply chains.

ID	Criteria	Implementation Guidance	Must / Should
9.1	All cargo handling and storage facilities, including trailer yards and offices must have physical barriers and/or deterrents that prevent unauthorized access.		Must
9.2	Perimeter fencing should enclose the areas around cargo handling and storage facilities. If a facility handles cargo, interior fencing should be used to secure cargo and cargo handling areas. Based on risk, additional interior fencing should segregate various types of cargo such as domestic, international, high value, and/or hazardous materials. Fencing should be regularly inspected for integrity and damage by designated personnel. If damage is found in the fencing, repairs should be made as soon as possible .	Other acceptable barriers may be used instead of fencing, such as a dividing wall or natural features that are impenetrable or, otherwise impede, access such as a steep cliff or dense thickets.	Should
9.3	MPTO must establish written and verifiable procedures to prevent unauthorized personnel from gaining access to the ports, vessels, and to prevent tampering with cargo conveyances while they are in MPTO's custody.		Must

ID	Criteria	Implementation Guidance	Must / Should
9.4	Gates where vehicles and/or personnel enter or exit (as well as other points of egress) must be manned or monitored. Individuals and vehicles may be subject to search in accordance with local and labor laws.	It is recommended that the number of gates be kept to the minimum necessary for proper access and safety. Other points of egress would be entrances to facilities that are not gated.	Must
9.5	Private passenger vehicles should be prohibited from parking in or adjacent to cargo handling and storage areas, and conveyances.	Locate parking areas outside of fenced and/or operational areas - or at least at substantial distances from cargo handling and storage areas.	Should
9.6	Adequate lighting must be provided inside and outside the facility including, as appropriate, the following areas: entrances and exits, cargo handling and storage areas, fence lines, and parking areas.	Automatic timers or light sensors that automatically turn on appropriate security lights are useful additions to lighting apparatus.	Must
9.7	Security technology should be utilized to monitor premises and prevent unauthorized access to sensitive areas.	Electronic security technology used to secure/monitor sensitive areas and access points includes: burglary alarm systems (perimeter and interior) –these are also known as Intrusion Detection Systems (IDS); access control devices; and video surveillance systems (VSS) -including Closed Circuit Television Cameras (CCTVs). A CCTV/VSS system could include components such as Analog Cameras (coax-based), Internet Protocol-based (IP) cameras (network-based), recording devices, and video management software. Secure/sensitive areas, which would benefit from video surveillance, may include: cargo handling and storage areas, shipping/receiving areas where import documents are kept, IT servers, yard and storage areas for Instruments of International Traffic (IIT), areas where IIT are inspected, and seal storage areas.	Should
9.8	Members who rely on security technology for physical security must have written policies and procedures governing the use, maintenance, and protection of this technology. At a minimum, these policies and procedures must stipulate:	Security technology needs to be tested on a regular basis to ensure it is working properly. There are general guidelines to follow: • Test security systems after any service work and during and	Must

ID	Criteria	Implementation Guidance	Must / Should
	• That access to the locations where the technology is controlled or managed is limited to authorized personnel; • The procedures that have been implemented to test/inspect the technology on a regular basis; • That the inspections include verifications that all of the equipment is working properly, and if applicable, that the equipment is positioned correctly; • That the results of the inspections and performance testing is documented; • That if corrective actions are necessary, they are to be implemented as soon as possible and the corrective actions are documented; • That the documented results of these inspections be maintained for a sufficient time for audit purposes. If a third party central monitoring station (off-site) is used, the CTPAT Member must have written procedures stipulating critical systems functionality and authentication protocols such as (but not limited to) security code changes, adding or subtracting authorized personnel, password revisions, and systems access or denials. Security technology policies and procedures must be reviewed and updated annually, or more frequently, as risk or circumstances dictate.	after major repairs, modifications, or additions to a building or facility. A system's component may have been compromised, either intentionally or unintentionally. • Test security systems after any major changes to phone or internet services. Anything that might affect the system's ability to communicate with the monitoring center should be double-checked. • Make sure video settings such as motion activated recording; motion detection alerts; images per second (IPS), and quality level, have been set up properly. • Make sure camera lenses (or domes that protect the cameras) are clean and lenses are focused. Visibility should not be limited by obstacles or bright lights. • Test to make sure security cameras are positioned correctly and remain in the proper position (cameras may have been deliberately or accidentally moved).	

ID	Criteria	Implementation Guidance	Must / Should
9.9	CTPAT Members should use licensed/certified resources when considering the design and installation of security technology.	Today's security technology is complex and evolves rapidly. Oftentimes companies purchase the wrong security technology that proves to be ineffective when needed and/or pay more than was necessary. Seeking qualified guidance will help a buyer select the right technology options for their needs and budget. According to the National Electrical Contractors Association (NECA), in the U.S. 33 states currently have licensing requirements for professionals engaged in the installation of security and alarm systems.	Should
9.10	All security technology infrastructure must be physically secured from unauthorized access.	Security technology infrastructure includes computers, security software, electronic control panels, video surveillance or closed circuit television cameras, power and hard drive components for cameras, as well as recordings.	Must
9.11	Security technology systems should be configured with an alternative power source that will allow the systems to continue to operate in the event of an unexpected loss of direct power.	A criminal trying to breach your security may attempt to disable the power to your security technology in order to circumnavigate it. Thus, it is important to have an alternative source of power for your security technology. An alternative power source may be an auxiliary power generation source or backup batteries. Backup power generators may also be used for other critical systems such as lighting.	Should
9.12	If camera systems are deployed, cameras should monitor a facility's premises and sensitive areas to deter unauthorized access. Alarms should be used to alert a company to unauthorized access into sensitive areas.	Sensitive areas, as appropriate, may include cargo handling and storage areas, shipping/receiving areas where import documents are kept, IT servers, yards and storage areas for Instruments of International Traffic (IIT), areas where IIT are inspected, and seal storage areas.	Should
9.13	If camera systems are deployed, cameras must be positioned to cover key areas of facilities that pertain to the import/export process.	Positioning cameras correctly is important to enable the cameras to record as much as possible of the physical "chain of custody" within the facility's control.	Must

ID	Criteria	Implementation Guidance	Must / Should
	Cameras should be programmed to record at the highest picture quality setting reasonably available, and be set to record on a 24/7 basis.	Based on risk, key areas or processes may include cargo handling and storage; shipping/receiving; the cargo loading process; the sealing process; conveyance arrival/exit; IT servers; container inspections (security and agricultural); seal storage; and any other areas that pertain to securing international shipments.	
9.14	If camera systems are deployed, cameras should have an alarm/notification feature, which would signal a "failure to operate/record" condition.	A failure of video surveillance systems could be the result of someone disabling the system in order to breach a supply chain without leaving video evidence of the crime. The failure to operate feature can result in an electronic notification sent to predesignated person(s) notifying them that the device requires immediate attention.	Should

ID	Criteria	Implementation Guidance	Must / Should
9.15	If camera systems are deployed, periodic, random reviews of the camera footage must be conducted (by management, security, or other designated personnel) to verify that cargo security procedures are being properly followed in accordance with the law. Results of the reviews must be summarized in writing to include any corrective actions taken. The results must be maintained for a sufficient time for audit purposes.	If camera footage is only reviewed for cause (as part of an investigation following a security breach etc.), the full benefit of having cameras is not being realized. Cameras are not only investigative tools. If used proactively, they may help prevent a security breach from occurring in the first place. Focus the random review of the footage on the physical chain of custody to ensure the shipment remained secure and all security protocols were followed. Some examples of processes that may be reviewed are the following: • Cargo handling activities; • Container inspections; • The loading process; • Sealing process; • Conveyance arrival/exit; and • Cargo departure, etc. **Purpose of the review:** The review is intended to evaluate overall adherence and effectiveness of established security processes, identify gaps or perceived weaknesses, and prescribe corrective actions in support of improvement to security processes. Based on risk (previous incidents or an anonymous report on an employee failing to follow security protocols at the loading dock, etc.), the Member may target a review periodically. **Items to include in the written summary**: • The date of the review; • Date of the footage that was reviewed; • Which camera/area was the recording from; • Brief description of any findings; and • If warranted, corrective actions.	Must

ID	Criteria	Implementation Guidance	Must / Should
9.16	If cameras are being used, recordings of footage covering key import/export processes should be maintained on monitored shipments for a sufficient time to allow an investigation to be completed.	If a breach were to happen, an investigation would need to be conducted, and maintaining any camera footage that covered the packing (for export) and loading/sealing processes would be of paramount importance in discovering where the supply chain may have been compromised. For monitoring, the CTPAT program recommends allotting at least 14 days after a shipment has arrived at its first point of distribution. This is where the container is first opened after clearing Customs.	Should

10. <u>Physical Access Controls</u> – Access controls prevent unauthorized access into facilities/areas, help maintain control of employees and visitors, and protect company assets. Access controls include the positive identification of all employees, visitors, service providers, and vendors at all points of entry.

ID	Criteria	Implementation Guidance	Must / Should
10.1	CTPAT Members must have written procedures governing how identification badges and access devices are granted, changed, and removed. Where applicable, a personnel identification system must be in place for positive identification and access control purposes. Access to sensitive areas must be restricted based on job description or assigned duties. Removal of access devices must take place when the employees separate from the company.	Access devices include employee identification badges, visitor and vendor temporary badges, biometric identification systems, proximity key cards, codes, and keys. When employees are separated from a company, the use of exit checklists help ensure that all access devices have been returned and/or deactivated. For smaller companies, where personnel know each other, no identification system is required. Generally, for a company with more than 50 employees, an identification system is required.	Must

ID	Criteria	Implementation Guidance	Must / Should
10.2	Visitors, vendors, and service providers must present photo identification upon arrival, and a log must be maintained that records the details of the visit. All visitors should be escorted. In addition, all visitors and service providers should be issued temporary identification. If temporary identification is used, it must be visibly displayed at all times during the visit. The registration log must include the following: • Date of the visit; • Visitor's name; • Verification of photo identification (type verified such as license or national ID card). Frequent, well known visitors such as regular vendors may forego the photo identification, but must still be logged in and out of the facility; • Time of arrival; • Company point of contact; and • Time of departure.		Must
10.3	Drivers delivering or receiving cargo must be positively identified before cargo is received or released. Drivers must present government-issued photo identification to the facility employee granting access to verify their identity. If presenting a government-issued photo identification is not feasible, the facility employee may accept a recognizable form of photo identification issued by the highway carrier company that employs the driver picking up the load.		Must
10.8	Arriving packages and mail should be periodically screened for contraband before being admitted.	Examples of such contraband include, but are not limited to, explosives, illegal drugs, and currency.	Should

ID	Criteria	Implementation Guidance	Must / Should
10.10	If security guards are used, work instructions for security guards must be contained in written policies and procedures. Management must periodically verify compliance and appropriateness with these procedures through audits and policy reviews.	Though guards may be employed at any facility, they are often employed at manufacturing sites, seaports, distribution centers, storage yards for Instruments of International Traffic, consolidator, and forwarders operating sites.	Must
10.11	Marine Port Terminal Operators (MPTO) security personnel should meet regularly with government police assigned to the port and vessel security personnel. If a Facility Security Officer (FSO) has been designated per the Maritime Transportation Security Act of 2002 (MTSA) and/or the International Ship and Port Facility Security (ISPS) Code, the FSO should be the MPTO's point-of-contact for all CTPAT's matters relating to security. MPTOs operating in an international port with a Container Security Initiative (CSI) contingent should make every effort to maintain regular liaison with the Team Leader of the CSI contingent, as a forum to discuss supply chain security issues and to gauge and evaluate current approaches to security and targeting.	The International Maritime Organization's ISPS Code is a comprehensive set of measures to enhance the security of ships and port facilities. Having come into force in 2004, it prescribes responsibilities to governments, shipping companies, shipboard personnel, and port/facility personnel to detect security threats and take preventative measures against security incidents affecting ships or port facilities used in international trade. MTSA is a U.S. law designed to increase the security of our Nation's seaports. Among other things, it requires vessels and port facilities to conduct vulnerability assessments and develop security plans. This law is the U.S. implementation of the ISPS Code.	Should

11. <u>Personnel Security</u> – A company's human resource force is one of its most critical assets, but it may also be one of its weakest security links. The criteria in this category focus on issues such as employee screening and pre-employment verifications. Many security breaches are caused by internal conspiracies, which is where one or more employees collude to circumvent security procedures aimed at allowing an infiltration of the supply chain. Therefore, Members must exercise due diligence to verify that employees filling sensitive positions are reliable and trustworthy. Sensitive positions include staff working directly with cargo or its documentation, as well as personnel involved in controlling access to sensitive areas or equipment. Such positions include, but are not limited to, shipping, receiving, mailroom personnel, drivers, dispatch, security guards, any individuals involved in load assignments, tracking of conveyances, and/or seal controls.

ID	Criteria	Implementation Guidance	Must / Should
11.1	Written processes must be in place to screen prospective employees and to periodically check current employees. Application information, such as employment history and references, must be verified prior to employment, to the extent possible and allowed under the law.	CTPAT is aware that labor and privacy laws in certain countries may not allow all of the application information to be verified. However, due diligence is expected to verify application information when permitted.	Must
11.2	In accordance with applicable legal limitations, and the availability of criminal record databases, employee background screenings should be conducted. Based on the sensitivity of the position, employee vetting requirements should extend to temporary workforce and contractors. Once employed, periodic reinvestigations should be performed based on cause, and/or the sensitivity of the employee's position. Employee background screening should include verification of the employee's identity and criminal history, encompassing city, state, provincial, and country databases. CTPAT Members and their business partners should factor in the results of background checks, as permitted by local statutes, in making hiring decisions. Background checks are not limited to verification of identity and criminal records. In areas of greater risk, it may warrant more in-depth investigations.		Should
11.5	CTPAT Members must have an Employee Code of Conduct that includes expectations and defines acceptable behaviors. Penalties and disciplinary procedures must be included in the Code of Conduct. Employees/contractors must acknowledge that they have read and understood the Code of Conduct by signing it, and this acknowledgement must be kept in the employee's file for documentation.	A Code of Conduct helps protect your business and informs employees of expectations. Its purpose is to develop and maintain a standard of conduct that is acceptable to the company. It helps companies develop a professional image and establish a strong ethical culture. Even a small company needs to have a Code of Conduct; however, it does not need to be elaborate in design or contain complex information.	Must

12. <u>Education, Training and Awareness</u> – CTPAT's security criteria are designed to form the basis of a layered security system. If one layer of security is overcome, another layer should prevent a security breach, or alert a company to a breach. Implementing and maintaining a layered security program needs the active participation and support of several departments and various personnel. One of the key aspects to maintaining a security program is training. Educating employees on what the threats are and how their role is important in protecting the company's supply chain is a significant aspect to the success and endurance of a supply chain security program. Moreover, when employees understand why security procedures are in place, they are much more likely to adhere to them.

ID	Criteria	Implementation Guidance	Must / Should
12.1	Members must establish and maintain a security training and awareness program to recognize and foster awareness of the security vulnerabilities to facilities, conveyances, and cargo at each point in the supply chain, which could be exploited by terrorists or contraband smugglers. The training program must be comprehensive and cover all of CTPAT's security requirements. Personnel in sensitive positions must receive additional specialized training geared toward the responsibilities that the position holds. One of the key aspects of a security program is training. Employees who understand why security measures are in place are more likely to adhere to them. Security training must be provided to employees, as required, based on their functions and position on a regular basis, and newly hired employees must receive this training as part of their orientation/job skills training. Members must retain evidence of training such as training logs, sign in sheets (roster), or electronic training records. Training records should include the date of the training, names of attendees, and the topics of the training.	Training topics may include protecting access controls, recognizing internal conspiracies, and reporting procedures for suspicious activities and security incidents. When possible, specialized training should include a hands-on demonstration. If a hands-on demonstration is conducted, the instructor should allow time for the students to demonstrate the process. For CTPAT purposes, sensitive positions include staff working directly with import/export cargo or its documentation, as well as personnel involved in controlling access to sensitive areas or equipment. Such positions include, but are not limited to, shipping, receiving, mailroom personnel, drivers, dispatch, security guards, any individuals involved in load assignments, tracking of conveyances, and/or seal controls.	Must

ID	Criteria	Implementation Guidance	Must / Should
12.4	CTPAT Members should have measures in place to verify that the training provided met all training objectives.	Understanding the training and being able to use that training in one's position (for sensitive employees) is of paramount importance. Exams or quizzes, a simulation exercise/drill, or regular audits of procedures etc. are some of the measures that the Member may implement to determine the effectiveness of the training.	Should
12.8	As applicable, based on their functions and/or positions, personnel must be trained on the company's cybersecurity policies and procedures. This must include the need for employees to protect passwords/passphrases and computer access.	Quality training is important to lessen vulnerability to cyberattacks. A robust cybersecurity training program is usually one that is delivered to applicable personnel in a formal setting rather than simply through emails or memos.	Must
12.9	Personnel operating and managing security technology systems must receive operations and maintenance training in their specific areas. Prior experience with similar systems is acceptable. Self-training via operational manuals and other methods is acceptable.		Must
12.10	Personnel must be trained on how to report security incidents and suspicious activities.	Procedures to report security incidents or suspicious activity are extremely important aspects of a security program. Training on how to report an incident can be included in the overall security training. Specialized training modules (based on job duties) may have more detailed training on reporting procedures, including specifics on the process, such as, what to report, to whom, how to report the incident, and what to do after the report is completed.	Must