

## MFFFPEm Resource

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**From:** Tiktinsky, David  
**Sent:** Thursday, January 31, 2013 8:35 AM  
**To:** Gwyn, Dealis W.  
**Cc:** MFFFHearingFile Resource  
**Subject:** FW: IN 2012-22 with Enclosure  
**Attachments:** ML12137A248.pdf; ML12318A216.pdf

fyi

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**From:** Silva, Patricia  
**Sent:** Thursday, January 31, 2013 8:33 AM  
**To:** Adams, Mary; Bartlett, Matthew; Guardiola, Maria; Liu, Tilda; Morrissey, Kevin; Reeves, Rosemary; Tiktinsky, David  
**Subject:** FW: IN 2012-22 with Enclosure

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**From:** Ramsey, Kevin  
**Sent:** Thursday, January 31, 2013 8:22 AM  
**To:** Habighorst, Peter; Whaley, Sheena; Silva, Patricia; Smith, Brian; Baker, Merritt; Diaz, Marilyn; Echols, Stan; Hammelman, James; Johnson, Robert; Ryder, Christopher; Thompson, Richard  
**Subject:** FW: IN 2012-22 with Enclosure

The attached notice is addressed to all fuel cycle facilities. PMs should confirm that their sites have it.

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**From:** Cathy Hawes [<mailto:cmh2@nrc.gov>]  
**Sent:** Wednesday, January 30, 2013 1:00 PM  
**To:** Ramsey, Kevin  
**Subject:** IN 2012-22 with Enclosure

Attached is an PDF version of Information Notice 2012-22, Counterfeit, Fraudulent, Suspect Item (CFSI) Training Offerings, dated January 25, 2013 (ML12137A248), that has been posted to the NRR GCC Web, along with the URL for Web access to generic communications files on the NRC Homepage:  
<http://www.nrc.gov/reading-rm/doc-collections/gen-comm/info-notices/2012/>.

To subscribe or unsubscribe send an email to [lyris@nrc.gov](mailto:lyris@nrc.gov) , no subject, and use one of the following commands in the message portion:

subscribe gc-nrr (first and last name)  
unsubscribe gc-nrr (first and last name)

thanks  
Cathy

**Hearing Identifier:** MixedOxideFuelFabricationFacility\_Public  
**Email Number:** 256

**Mail Envelope Properties** (0A64B42AAA8FD4418CE1EB5240A6FED1011C22BF89FA)

**Subject:** FW: IN 2012-22 with Enclosure  
**Sent Date:** 1/31/2013 8:34:47 AM  
**Received Date:** 1/31/2013 8:34:53 AM  
**From:** Tiktinsky, David

**Created By:** David.Tiktinsky@nrc.gov

**Recipients:**  
"MFFFHearingFile Resource" <MFFFHearingFile.Resource@nrc.gov>  
Tracking Status: None  
"Gwyn, Dealis W." <DWGwyn@moxproject.com>  
Tracking Status: None

**Post Office:** HQCLSTR02.nrc.gov

Files	Size	Date & Time
MESSAGE	1580	1/31/2013 8:34:53 AM
ML12137A248.pdf	80114	
ML12318A216.pdf	179114	

**Options**  
**Priority:** Standard  
**Return Notification:** No  
**Reply Requested:** No  
**Sensitivity:** Normal  
**Expiration Date:**  
**Recipients Received:**

UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
OFFICE OF NEW REACTORS  
OFFICE OF NUCLEAR REACTOR REGULATION  
OFFICE OF FEDERAL AND STATE MATERIALS AND  
ENVIRONMENTAL MANAGEMENT PROGRAMS  
OFFICE OF NUCLEAR MATERIAL SAFETY  
AND SAFEGUARDS  
WASHINGTON, DC 20555-0001

January 25, 2013

NRC INFORMATION NOTICE 2012-22: COUNTERFEIT, FRAUDULENT, SUSPECT  
ITEM (CFSI) TRAINING OFFERINGS

**ADDRESSEES**

All holders of and applicants for a specific source material license under Title 10 of the *Code of Federal Regulations* (10 CFR) Part 40, "Domestic Licensing of Source Material."

All holders of an operating license, research and test reactor operating license, or construction permit for a nuclear power reactor under 10 CFR Part 50, "Domestic Licensing of Production and Utilization Facilities," including those who have permanently ceased operations and have certified that fuel has been permanently removed from the reactor vessel.

All holders of and applicants for a power reactor early site permit, combined license, standard design certification, standard design approval, or manufacturing license under 10 CFR Part 52, "Licenses, Certifications, and Approvals for Nuclear Power Plants."

All holders of and applicants for a fuel cycle facility license or a special nuclear material license authorizing the possession, use, or transport of formula quantities of strategic special nuclear material under 10 CFR Part 70, "Domestic Licensing of Special Nuclear Material."

All holders of and applicants for a transportation package certificate of compliance or for a specific approval for transport of radioactive material shipping containers under 10 CFR Part 71, "Packaging and Transportation of Radioactive Material."

All holders of and applicants for an independent spent fuel storage installation license or a certificate of compliance under 10 CFR Part 72, "Licensing Requirements for the Independent Storage of Spent Nuclear Fuel, High-Level Radioactive Waste and Reactor-Related Greater Than Class C Waste."

All holders of and applicants for a gaseous diffusion plant certificate of compliance or an approved compliance plan under 10 CFR Part 76, "Certification of Gaseous Diffusion Plants."

All contractors and vendors that supply basic components to U.S. Nuclear Regulatory Commission (NRC) licensees.

## **PURPOSE**

The NRC is issuing this information notice (IN) to inform addressees of a sampling of the entities that offer training on how to detect potential counterfeit, fraudulent, and suspect items (CFSI) that may enter the supply chain. This IN also is being issued to heighten each addressee's awareness of CFSI issues. The NRC expects that recipients will review the list of available training resources listed in this IN as it may be useful for educating personnel involved in NRC-regulated activities on current trends in CFSI, and techniques to prevent the use of CFSI parts. The suggestions contained within this IN are not NRC requirements; therefore, no specific action or written response is required. Addressees can review this information and consider actions, as appropriate.

## **BACKGROUND**

Over the past two decades, the NRC has issued several generic communications to inform licensees of counterfeit or misrepresented vendor products, including Generic Letter (GL) 89-02, "Actions to Improve the Detection of Counterfeit and Fraudulently Marketed Products," dated March 21, 1989 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML031140060). The GL emphasized the three characteristics of effective procurement and dedication programs that NRC inspections have identified. These characteristics are (1) the involvement of engineering staff in the procurement and product acceptance process, (2) effective source inspection, receipt inspection, and testing programs, and (3) thorough, engineering-based programs for review, testing, and dedication of commercial-grade products for suitability of use in safety-related applications. The NRC found that programs that embodied the above three characteristics generally were effective in providing enhanced capability to detect counterfeit or fraudulently marketed products and in assuring the quality of procured products, both in safety-related and other plant systems. These three characteristics are as relevant today as they were more than two decades ago.

In addition to GL 89-02, the NRC staff issued IN 89-70, dated October 11, 1989, and a supplement on April 26, 1990, both entitled, "Possible Indications of Misrepresented Vendor Products," to inform licensees of misrepresented vendor products and to provide information on the detection of such products (ADAMS Accession No. ML031180470). The NRC staff also issued IN 2008-04, "Counterfeit Parts Supplied to Nuclear Power Plants," dated April 7, 2008, to inform addressees of the potential for counterfeit parts to enter their supply chains (ADAMS Accession No. ML093620098).

The NRC recently stressed the importance of the nuclear industry's vendors and suppliers establishing a positive nuclear safety culture by including them in the recent "Safety Culture Policy Statement," issued June 14, 2011 (ADAMS Accession No. ML111650336). On January 17, 2012, the NRC reinforced the importance of the Safety Culture Policy Statement through Regulatory Issue Summary 2012-01, "Availability of Safety Culture Policy Statement" (ADAMS Accession No. ML112940226). This policy statement identified, among other qualities, the need for continuous learning, effective safety communications, and employees with a questioning attitude as characteristics of a positive safety culture. A summary of the Safety Culture Policy can be found in NUREG/BR-0500, "Safety Culture Policy Statement" (ADAMS Accession No. ML11165A021).

## DISCUSSION

Industrial counterfeiting has been on the rise. Recent examples that underscore this trend include: the Construction Industry Institute's issuance of a 2010 study entitled, "Product Integrity Concerns in Low-Cost Sourcing Countries: Counterfeiting in the Construction Industry," in which the consensus of the 187 industry and government leaders from eight countries interviewed, was that the magnitude of the problem has grown from "big" to "very big." In November of 2012, a nuclear utility located outside the United States, shut down two operating nuclear power plants based on investigations at those plants that led to the identification of numerous parts that may not have been properly qualified or certified for their intended use: and in the same month, an individual pleaded guilty in U.S. Federal Court to making false statements during an investigation led by the NRC Office of Investigations (OI), which found, among other things, that he had directed an employee to file off the serial number on a safety-related part taken off of a working display from a U.S. nuclear power plant and installed on a refurbished display destined for application in another operating U.S. nuclear power plant without informing either plants. As a result, industries affected have generated a significant amount of training to raise personnel awareness, develop detection skills, protect intellectual property, investigate fraud, and incorporate effective prevention techniques against industrial counterfeiting. While much of this information is either free, or available at a nominal fee, other training is fee-based. While the recent adverse trend in industry CFSI has not directly affected NRC-regulated activities, the agency recognizes the potential implications industrial CFSI could have, combined with anticipated increases in procurement activities associated with NRC-licensed facilities. The NRC believes it is both prudent and warranted at this time to make deliberate efforts toward understanding how the regulator and industry could address new CFSI challenges.

The NRC is issuing this IN to create awareness of the evolving trends with CFSI in today's global industrial supply chain. Many industries already are modifying their purchasing policies and procedures in response to CFSI threats. While the NRC staff is not aware of similar CFSI trends in NRC-regulated activities, it is necessary for the agency to heighten the industry's awareness of CFSI issues and enhance the skill sets of individuals with the power to prevent the entry of CFSI into the commercial nuclear supply chain. Proactive anti-CFSI policies should stress the need to share CFSI information and to train the workforce in current identification, avoidance, management, and response techniques. Each organization's commitment to CFSI training will vary based on many factors, including reliance on procurement strategies that carry higher CFSI risks (e.g., unfamiliar supply sources, or suppliers known to exhibit questionable business practices). As many published best practices recommend, every individual involved in specifying, procuring, and installing components is responsible for combating CFSI. Providing training and awareness programs to these individuals will help prevent the inadvertent introduction of nonconforming parts into the supply chain. This message is particularly important in keeping pace with the growing trends in business-to-business commerce. While many organizations today have implemented some form of electronic commerce (e-commerce), each organization must weigh the level of risk along with the legitimacy of a supplier's offer when purchasing critical items. It is vitally important that all final procurement decisions, including those steps programmed into automated systems, consider best possible anti-counterfeiting purchasing practices before the final purchase.

Training, including hands-on instruction, should be considered for all employees supporting the procurement process, including purchasing (materials and services), quality assurance, product receiving, maintenance, and investigation personnel. Refresher training also may be regularly

emphasized to update employees on new threats, identification techniques, and communication strategies.

Table 1 of this IN (ADAMS Accession No. ML12318A216) presents a snapshot of CFSI training courses offered from a variety of sources. The list is not intended to be a complete listing, nor is it the staff's intent to maintain this list current. The listing is intended to inform industry of existing CFSI training curriculum and to encourage industry representatives to expand the body-of-knowledge to meet the changing roles and responsibilities anticipated in this dynamic field. This list focuses on traditional supply chain procurement responsibilities from product development through product receipt. It also includes some often overlooked support functions including offerings focused on establishing and protecting one's intellectual property rights.

Furthermore, the list also recognizes the needs of fraud investigators and prosecutors and provides offerings for them. Most of this training was developed with specific non-nuclear industry perspectives in mind, but it may be adapted for the commercial nuclear industry according to their representatives. Many of the organizations contacted were willing to tailor sessions to a specific topic or audience. The NRC staff made no attempts to evaluate, rate, or endorse one curriculum over another, but rather provides this list to those organizations and individuals seeking this unique knowledge/skill set. The NRC cautions users of this list to contact resource representatives directly and to perform due diligence to determine if the offering adequately satisfies their specific needs.

## CONTACT

This IN requires no specific action or written response. Please direct any questions about this matter to the technical contact listed below or the appropriate NRC project manager.

Note: NRC generic communications may be found on the NRC public Web site, <http://www.nrc.gov>, under "NRC Library."

**/RA/**

Mary Muessle, Acting Director  
Division of Policy and Rulemaking  
Office of Nuclear Reactor Regulation

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Brian J. McDermott, Director  
Division of Materials Safety  
and State Agreements  
Office of Federal and State Materials and  
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Laura A. Dudes, Director  
Division of Construction Inspection  
and Operational Programs  
Office of New Reactors

**/RA/**

John D. Kinneman, Director  
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and Safeguards  
Office of Nuclear Material Safety  
and Safeguards

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and Transportation  
Office of Nuclear Material Safety  
and Safeguards

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[Scott.Langan@nrc.gov](mailto:Scott.Langan@nrc.gov)

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OE/CRB  
301-415-1888  
[Maria.Schwartz@nrc.gov](mailto:Maria.Schwartz@nrc.gov)

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Division of Spent Fuel Storage  
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**ADAMS ACCESSION No.:** ML12137A248

\*via e-mail

**NRC-001**

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NAME	DPasquale	CHsu	TFrye	BWatson	JOwens	GBowman	DSolorio	TMensah
DATE	11/ 28 /12	10/23/12	12/03/12	12/19/12	12/06/12	1/08/13	01/09/13	12/06/12
OFFICE	NRR/DPR/ PGCB:LA*	NRR/DPR/ PGCB:BC	OI: DD*	FSME/ DMSSA:D*	NMSS/SFST:D*	NMSS/FCSS:D*	NRO/DCIP:D	NRR/DPR:D (Acting)
NAME	CHawes	DPelton	SLangan	BMcDermott (PHenderson for)	MLombard	JKinneman (Mbailey for)	LDudes	MMuessle
DATE	12/07/12	12/10/12	01/09/13	01/09/13	12/27/12	12/12/12	01/14/13	01/25/13

**OFFICIAL RECORD DOCUMENT**



NRC INFORMATION NOTICE 2012-22, "COUNTERFEIT, FRAUDULENT, SUSPECT ITEM (CFSI) TRAINING OFFERINGS"

**Table 1. List of CFSI-Related Training Offerings**

**1.0 ACADEMY OF AEROSPACE QUALITY (AAQ)**—The National Aeronautics and Space Administration (NASA), in conjunction with Auburn University.

Web site: <http://aaq.auburn.edu/>

Contacts: Dr. Alice E. Smith  
Professor of Industrial and Systems Engineering  
Auburn University  
3301 Shelby Center  
Auburn University, AL 36849  
Phone: 334-844-1460  
E-mail: [smithae@auburn.edu](mailto:smithae@auburn.edu)

Dr. Jeffrey S. Smith, Professor  
(ADAMS Accession No. ML11165A021)  
Phone: 334-844-1412  
E-mail: [smitjef@auburn.edu](mailto:smitjef@auburn.edu)

**1.1 Counterfeit Parts Training Module**

The AAQ is an Internet-based forum for providing quality assurance (QA) training to academics involved in aerospace research, technology development, and payload design and development. The AAQ curriculum includes modules for all aspects of quality assurance necessary to ensure project success and provides a virtual community for networking and sharing of lessons-learned among like-minded scholars.

Focus: Academia, technology development, aerospace research

Cost: Fee and free (some information available online)

**2.0 AMERICAN BEARING MANUFACTURERS ASSOCIATION (ABMA)**

Web site: <http://www.americanbearings.org/news/74150/>

Contact: Scott Lynch  
ABMA Anti-Counterfeiting Committee  
2025 M Street, NW, Suite 800  
Washington, DC 20036-3309  
Phone: 202-367-1155  
E-mail: [info@americanbearings.org](mailto:info@americanbearings.org)  
[slynch@americanbearings.org](mailto:slynch@americanbearings.org)

## NRC INFORMATION NOTICE 2012-22, "COUNTERFEIT, FRAUDULENT, SUSPECT ITEM (CFSI) TRAINING OFFERINGS"

### 2.1 World Bearing Association (WBA) Anti-Counterfeiting Video

The WBA has released a video to further educate the bearing supply chain community and consumers about the problems and safety concerns associated with counterfeit bearing products.

Web site: <http://www.stopfakebearings.com/#/start>

Focus: General introduction

Cost: Free

### 2.2 Customs Training Seminars

ABMA's Customs Education Seminar has educated U.S. Customs and Border Protection (CBP) agents and import specialists, Intellectual Property Rights (IPR) Center staff, U.S. Immigration and Customs Enforcement (ICE) officials, and criminal research specialists on the issues surrounding counterfeit bearings, leading to more effective enforcement at the borders and additional partnership opportunities.

Focus: Law enforcement, customs and border patrol agents, import specialists, criminal research specialists

Cost: Unknown

### 3.0 **The ASSOCIATION FOR OPERATIONS MANAGEMENT (APICS)**—APICS is an international source of knowledge for operations and supply chain management professionals since 1957. It provides training, internationally recognized certifications, and comprehensive educational resources in production, inventory, materials management, purchasing, logistics, and more.

Web site: <http://www.apics.org/risk>

Contact: [pdadmin@apics.org](mailto:pdadmin@apics.org)

APICS—The Association for Operations Management  
8430 West Bryn Mawr Ave., Suite 1000  
Chicago, IL 60631  
Phone: 800-444-2742  
773-867-1777 (APICS customer service)  
**Fax:** 773-639-3000  
E-mail: [services@apics.org](mailto:services@apics.org)

Cost: Fee. Open to non-APICS members

## NRC INFORMATION NOTICE 2012-22, "COUNTERFEIT, FRAUDULENT, SUSPECT ITEM (CFSI) TRAINING OFFERINGS"

### 3.1 APICS Risk Management Certificate

This course prepares participants to lead risk-management activities or participate in the development of global risk-mitigation strategies while gaining an understanding of critical risk management. Certification requires 12 educational contact hours in core and elective risk management topics, which can be earned by attending five sessions on the Risk Management learning path. APICS tends to offer these classes at its international conferences and expos (5 hours) and participation in one of the following to complete the remaining 7 hours:

- (a) a combination of risk sessions at future educational events
- (b) APICS Risk Management Seminar (7 hours)
- (c) pre-approved risk management education sessions at partner events

### 4.0 **BERI ASSOCIATES (USA) INC.**— Beri Associates is comprised of several industry experts available to assist organizations or companies looking to improve or expand business goals, processes, and advertisement needs.

Web site: <http://www.beriassociates.com/>

Contact: Shamsher (Sham) Beri  
611 NW Fremont St.  
Camas, WA 98607  
Phone: 360-608-7454  
Fax: 360-210-4355  
E-mail: [shamberi@aol.com](mailto:shamberi@aol.com)

Cost: Fee

### 4.1 Understanding Counterfeit, Fraudulent, and Suspect Items (CFSI)

This interactive course presents the regulatory basis, the Nuclear Procurement Issues Committee (NUPIC) expectations, as well as a practical program to mitigate CFSI risk in the supply chain. It assists attendees in understanding the issues to develop a comprehensive approach to combat domestic and international CFSIs.

Focus: Procurement personnel, engineers, material analysts, receipt inspectors, QA personnel, procurement engineers, investigators

Cost: Fee

NRC INFORMATION NOTICE 2012-22, "COUNTERFEIT, FRAUDULENT, SUSPECT ITEM (CFSI) TRAINING OFFERINGS"

5.0 **CENTER FOR ADVANCED LIFE CYCLE ENGINEERING (CALCE)—**  
UNIVERSITY OF MARYLAND (UMD)

Web site: [http://www.calce.umd.edu/general/education/counterfeit\\_ele.html#Contact](http://www.calce.umd.edu/general/education/counterfeit_ele.html#Contact)

Contact: Dr. Michael Pecht, Professor, Director of CALCE  
University of Maryland  
Bldg. 89, Room 1103  
University of Maryland  
College Park, MD 20742  
Phone: 401-405-5323  
E-mail: [pecht@calce.umd.edu](mailto:pecht@calce.umd.edu)  
[education@calce.umd.edu](mailto:education@calce.umd.edu)

Dr. Digmata Das  
Phone: 301-405-5323  
E-mail: [digudas@calce.umd.edu](mailto:digudas@calce.umd.edu)

5.1 Counterfeit Electronics

This course covers authentication techniques used and developed to make counterfeiting of electronics more difficult. It includes overt and covert methods of authentications. The course closes with specific suggestions and recommendations on how to protect your supply chain, including how to select distributors and monitor suppliers. It also makes recommendations to the electronic part manufacturers, regulators, government enforcement, and procurement agencies on how to reduce risks from counterfeit electronic parts.

Focus: Receipt inspectors, QA/quality control (QC) inspectors, vendor inspectors and auditors, investigators, procurement personnel, procurement engineers

Cost: Fee

6.0 **CRITERION SOLUTIONS GROUP, LLC**—Criterion Solutions is a Florida-based, limited liability corporation (LLC) that provides QA/QC support services to the commercial nuclear industry, including commercial-grade item (CGI) dedication training and CFSI training.

Web site: <http://www.criterionsolutionsgroup.com/>

Contact: Michael Morgan, Manager, Owner  
Criterion Solutions Group, LLC  
2035 Village Lane  
Fernandina Beach, FL 32034  
Phone: 904-556-1093  
E-mail: [criterionsolutions@att.net](mailto:criterionsolutions@att.net)

## NRC INFORMATION NOTICE 2012-22, "COUNTERFEIT, FRAUDULENT, SUSPECT ITEM (CFSI) TRAINING OFFERINGS"

### 6.1 Counterfeit, Fraudulent, and Suspect (CFS) Component Mitigation

This computer-based course usually is presented as an extra subject element to Criterion Solution's commercial-grade item (CGI) dedication course. The course and training presents the NRC regulatory elements and NUPIC industry standards and expectations "in play" in the industry's efforts to reduce the risk of counterfeit, fraudulent, and suspect component entry into the nuclear supply chain. The course is presented by a retired government nuclear inspector and current N45.2.23-certified trainer and auditor. The course is offered either at Criterion Solution's home site (Amelia Island, Florida) or, if desired, at the customer's site. This LLC FL State-certified course provides students with a basic (overall) understanding of CFS component issues and elements. It also presents practical approaches to assist students in spotting and mitigating or eliminating CFS components from the nuclear supply chain. Over 50 percent of the course is "hands-on" training.

Focus: Senior management, supply chain managers, purchasing managers, procurement personnel, material analysts, engineering personnel, procurement engineers receipt inspectors, QA and QC managers and inspectors, craft and installers, investigators, vendor auditors and inspectors, suppliers and vendors

Cost: Fee

### 7.0 **DEFENSE ACQUISITION UNIVERSITY (DAU)—U.S. Department of Defense (DOD).**

Web site: <http://www.dau.mil/default.aspx>

Contact: Defense Acquisition University  
9820 Belvoir Rd.  
Fort Belvoir, VA 22060  
Phone: 703-805-3459  
866-568-6924 (toll free within the USA)  
E-mail: [dauhhelp@dau.mil](mailto:dauhhelp@dau.mil)

### 7.1 Preventing Counterfeit Parts from Entering DOD Supply System

Designed to allow participants to learn about different types of commercial and industry nonconforming, suspect, and counterfeit items; how these items are entering into the commercial and DOD supply chains; the economic impact these items have; and how to develop basic skills for identifying possible nonconforming and suspect counterfeit items.

Focus: DAU personnel, Government employees, DOD personnel, DOD contractors

Cost: Free (some information is publicly available online)

NRC INFORMATION NOTICE 2012-22, "COUNTERFEIT, FRAUDULENT, SUSPECT ITEM (CFSI) TRAINING OFFERINGS"

- 8.0 **DEFENSE CYBER INVESTIGATIONS TRAINING ACADEMY (DCITA)**—DCITA develops and delivers cyber investigation training courses for DOD organizations, defense criminal investigative organizations (DCIOs), military counterintelligence agencies, and law enforcement organizations.

You must meet the following two criteria to be eligible to attend DCITA training courses:

- (1) You must be assigned to a U.S. Government agency or be an official representative of a Government that has an existing memorandum of understanding with the U.S. Government for computer training.
- (2) You must be working in one of the following fields or positions:
  - Federal law enforcement
  - counterintelligence
  - Inspector General
  - computer forensics examiner

If you meet the above eligibility criteria and would like information about the courses, please contact the DCITA registrar by phone or e-mail.

Web site: <https://www.dcita.edu/>

Contact: The Defense Cyber Investigations Training Academy Registrar  
Phone: 410-981-1160, 410-981-1165  
01-410-981-1165 (**International**)  
Fax: 410-850-8936  
E-mail: [DCITA@dc3.mil](mailto:DCITA@dc3.mil)

Focus: DOD organizations, DCIOs, military counterintelligence agencies, law enforcement organizations

Cost: Fee

## NRC INFORMATION NOTICE 2012-22, "COUNTERFEIT, FRAUDULENT, SUSPECT ITEM (CFSI) TRAINING OFFERINGS"

### 9.0 **DIMINISHING MANUFACTURING SOURCES AND MATERIAL SHORTAGES**

**(DMSMS)**—The DMSMS Knowledge Sharing Portal (DKSP) is a nonbiased one-stop provider of DMSMS-related information, resources, and material to empower the DoD community, both organic and industrial, to implement best practices for monitoring, tracking, resolving, and performing analytical logistic and engineering analysis related to obsolescence impacts. The DKSP facilitates optimal resolution, test, parts management, design, upgrade and redesign methodologies, thereby minimizing detrimental weapons systems readiness resulting from DMSMS and obsolescence impacts.

Web site: <https://acc.dau.mil/dmsms>

Contact: Defense Acquisition University  
DAU-GLTC  
9820 Belvoir Rd.  
Ft. Belvoir, VA 22060-5565  
Phone: 703-805-3459 (DAU Information Systems Service Center)  
E-mail: [issc@dau.mil](mailto:issc@dau.mil)

Focus: Procurement personnel, material analysts, receipt inspectors, QA and QC personnel, procurement engineers

Cost: Fee and free (some are publicly available)

### 10.0 **ELECTRIC POWER RESEARCH INSTITUTE (EPRI)**—An independent, nonprofit research and training organization for the electric power industry.

Web site: <http://my.epri.com/>

Contact: Marc Tannenbaum, Sr. Project Manager  
EPRI Charlotte  
1300 W.T. Harris Blvd.  
Charlotte, NC 28262  
Phone: 704-595-2536; 704-595-2609  
E-mail: [mtannenbaum@epri.com](mailto:mtannenbaum@epri.com)

### 10.1 Practical Training in Preventing Counterfeit, Fraudulent, Suspect, and Substandard Items from Use in Nuclear Power Plants

This training provides an overview of EPRI guidance on counterfeiting and fraud, as well as a "hands-on" training session that includes many examples of counterfeit hardware, along with information on their authentic counterparts.

Focus: Procurement personnel, material analysts, receipt inspectors, QA and QC personnel, procurement engineers, investigators, craft personnel

Cost: Fee

## NRC INFORMATION NOTICE 2012-22, "COUNTERFEIT, FRAUDULENT, SUSPECT ITEM (CFSI) TRAINING OFFERINGS"

### 10.2 Nuclear Utility Procurement Training

This 3-day course provides instructions on how to apply a comprehensive set of guidelines that address procurement, documentation, source verification, audits, receipt inspection, testing, and acceptance of commercial-grade items for use in safety-related nuclear applications. The course provides detailed guidance on performing safety classifications, equivalency evaluations, and commercial-grade dedication, as well as other issues related to materials management. The course uses lectures, examples, exercises, and discussion groups to address key procurement issues facing the industry. The course includes a module on counterfeit and fraudulent items.

Focus: Procurement personnel, material analysts, receipt inspectors, QA and QC personnel, procurement engineers, investigators

Cost: Fee

### 10.3 Nuclear Vendor Procurement Training

This course is designed to communicate basic nuclear procurement concepts and methods to organizations that provide items and services to member utilities. It presents an overview of basic nuclear utility procurement concepts and provides guidance on performing commercial-grade item dedication from the perspective of a nuclear vendor. A module on counterfeit and fraudulent items is included.

Focus: Procurement personnel, material analysts, receipt inspectors, QA and QC personnel, procurement engineers, investigators

Cost: Fee

### 10.4 Counterfeit, Fraudulent, Substandard Items, EPRI No. 10209555–Version 1.0 (Computer Based)

This software is a computer-based training course that captures and communicates commercial nuclear industry-specific concepts to the end user and assesses their skills. The course includes modules that describe counterfeit, fraudulent, and substandard items; identifies the risks they present; and describes actions that can be implemented to reduce risk.

Focus: Plant management, procurement personnel, material analysts, receipt inspectors, QA personnel, procurement engineers, investigators

Cost: Fee



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10.5 Report: "Counterfeit, Fraudulent, and Substandard Items: Mitigating the Increasing Risk," EPRI, Palo Alto, CA, October 2009, EPRI No. 1019163

This report summarizes insights gleaned by EPRI technical advisory group (TAG) that researched the techniques that U.S. Government agencies, similar industries, and manufacturers use to combat the growing problem of counterfeit and fraudulent items. The report provides guidance to commercial nuclear licensees that want to implement measures to prevent counterfeit items from being introduced into their inventory and facilities to address related issues communicated in NRC IN 2008-04, "Counterfeit Parts Supplied to Nuclear Power Plants," dated April 7, 2008.

Focus: Plant management, procurement personnel, material analysts, receipt inspectors, QA and QC personnel, procurement engineers, investigators

Cost: Free of charge at <http://my.epri.com/portal/server.pt>

10.6 Report: "Counterfeit and Fraudulent Items: A Self-Assessment Checklist." EPRI, Palo Alto, CA, October 2010. No. 1021493

This self-assessment checklist is for licensees and their suppliers to use as a vehicle for identifying opportunities to reduce the risk associated with counterfeit and fraudulent items. Organizations that use the checklist can increase the probability that counterfeit and fraudulent items will be detected before accepted for use, used in manufacturing, or installed in plant systems and equipment.

Focus: Plant management, procurement personnel, material analysts, receipt inspectors, QA and QC personnel, procurement engineers, investigators

Cost: Free of charge at <http://my.epri.com/portal/server.pt?>

11.0 **ENERGYSOLUTIONS**—ENERGYSOLUTIONS is an international company and a worldwide provider of safe recycling, processing, and disposal of nuclear material. They provide innovations and technologies to the U.S. Department of Energy (DOE), commercial utilities, and medical and research facilities.

Web site: <http://www.energysolutions.com/>

Contact: Roger Moerman, Project Manager  
Counterfeit/Fraudulent Training  
ENERGYSOLUTIONS Quality Division  
Phone: 509-528-6771  
E-mail: [rdmoerman@energysolutions.com](mailto:rdmoerman@energysolutions.com)

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11.1 Suspect/Counterfeit/Fraudulent/Substandard Item Detection Training Workshops

ENERGYSOLUTIONS offers onsite training workshops that cover all aspects of fraudulent item detection and prevention. The workshops introduce the participant to the growing counterfeit issue through hands-on training with actual hardware parts and materials; the materials handled during the workshop are common to the work place, and in some cases to the home. The session includes a presentation using a digital microscope for viewing actual electronic components to show common traits that identify a product as suspect and potentially counterfeit.

Focus: Senior management, supply chain managers, purchasing managers, procurement personnel, material analysts, engineering personnel, procurement engineers receipt inspectors, QA/QC managers and inspectors, craft and installers, investigators, vendor auditors and inspectors, suppliers and vendors

Cost: Fee

12.0 **ERAI.** ERAI is a reporting and investigation service to the electronics industry, providing information and risk mitigation solutions to electronics professionals worldwide. ERAI is comprised of government prime contractors and subcontractors, original equipment manufacturers, distributors (franchised and independent), contract manufacturers, government agencies, and associations serving the industry. ERAI provides its members with in-depth information on counterfeit, substandard, and high-risk parts and suppliers of those parts.

Web site: <http://www.erai.com/>

Contact: [info@erai.com](mailto:info@erai.com)

Mark Snider, Founder and President  
ERAI, Inc.  
3899 Mannix Dr., Unit 421  
Naples, FL 34104  
Phone: 239-261-6268  
Fax: 239-261-9379  
E-mail: [Mark@erai.com](mailto:Mark@erai.com)

Kristal Snider, Vice President  
E-mail: [ksnider@erai.com](mailto:ksnider@erai.com)

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12.1 ERAL Solutions for Counterfeit and High Risk Parts—The Enemy Within

This presentation provides a general historical perspective of the counterfeit electronics problem followed by a demonstration showing how ERAL's service works to identify, isolate, and report organizations that have repeatedly failed to detect and avoid counterfeit and nonconforming parts.

Focus: Supply chain management, procurement personnel, material analysts, receipt inspectors, QA and QC inspectors, QA managers, vendor auditors and inspectors, procurement engineers, field engineers, investigators, suppliers and vendors

Cost: Fee

13.0 **FEDERAL LAW ENFORCEMENT TRAINING CENTER (FLETC)**—U.S. Department of Homeland Security (DHS). FLETC serves as a U.S. Government, interagency law enforcement training organization for 90 Federal agencies. It also provides services to State, local, Tribal, and international law enforcement agencies and support personnel. FLETC's headquarters is in Glynco, GA.

Web site: <http://www.fletc.gov/>

Contact: Faustino Gonzalez, Senior Instructor  
FLETC  
Financial Fraud Institute, Investigative Operations Division  
Phone: 912-554-4436  
E-mail: [Faustino.Gonzalez@dhs.gov](mailto:Faustino.Gonzalez@dhs.gov)

13.1 Product Substitution Investigations

This 4.5-day program focuses on product substitution, which is a type of procurement fraud. These investigations require knowledge of the Government procurement process to identify the procurement documentation and contract requirements, which supports these allegations.

Focus: Investigators (both criminal and noncriminal), auditors, inspectors, analysts, prosecutors

Cost: Fee

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### 13.2 Procurement Fraud

This 8-day program was designed at the request of the Attorney General's National Procurement Fraud Task Force Training Committee. These investigations require an understanding of the Government procurement process to identify where in the procurement cycle the alleged violations have occurred and what documents are required to support these allegations.

Focus: Investigators (both criminal and noncriminal), auditors, inspectors, analysts, prosecutors

Cost: Fee

- 14.0 **GLOBAL INTELLECTUAL PROPERTY ACADEMY (GIPA)**—U.S. Department of Commerce (DOC), U.S. Patent and Trademark Office (USPTO). The academy offers capacity building programs in the United States and around the world on intellectual property protection, enforcement, and capitalization.

Web site: <http://www.uspto.gov/>

Contact: Customer Support Centers:  
Phone: 571-272-1000 (local); 571-272-9950 (TTY)  
1-800-786-9199 (toll-free)

<http://www.uspto.gov/patents/resources/index.jsp#heading-3>  
<http://www.uspto.gov/ip/events/index.jsp>

Focus: Prosecutors, law enforcement, customs officials, foreign policy makers, intellectual property rights holders, suppliers and vendors

Cost: Free public education "road-shows"  
Note: Some information is publicly available online

- 15.0 **GLOBAL QUALITY ASSURANCE, INC.** Global Quality Assurance, Inc., (GQA) offers quality assurance training to the commercial nuclear power industry, including CFSI topics, throughout the year in Orlando, FL, or at a location of your choice.

Web site: <http://www.globalqualityassurance.com/> (ADAMS Accession No. ML11165A021) <http://www.GQAINC.com>

Contact: Deborah Borland, Owner/Chief Executive Officer (CEO)  
11602 Lake Underhill Rd., Suite 106  
Orlando, FL 32825  
Phone: 888-322-3330 (Office); 352-422-7200 (Cell)  
E-mail: [dborland@ggainc.com](mailto:dborland@ggainc.com)  
[TRAINING@ggainc.com](mailto:TRAINING@ggainc.com)

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### 15.1 Counterfeit, Fraudulent, and Suspect Items

This CFSI training program ensures participants understand the impact of CFSIs and the tactics most often used to evaluate risk factors; understand the impact and considerations for mechanical, electronic and electrical components; identify internal process weaknesses and enhance procurement and inspection techniques to avoid and identify CFSIs.

Focus: Supply chain management, procurement personnel, material analysts, receipt inspectors, QA managers, QA and QC inspectors, procurement engineers, investigators, suppliers and vendors

Cost: Fee

### 16.0 **INDEPENDENT DISTRIBUTORS OF ELECTRONICS ASSOCIATION (IDEA)—**

A nonprofit trade association providing educational tools for quality inspection and counterfeit mitigation of electronic components. These courses provide beneficial content for a number of professionals in the electronics industry, including management, component engineering, procurement, quality assurance, and inspection personnel. The curriculum is based upon *IDEA-STD-1010* as well as the *IDEA-SG-2020 Study Guide* in preparation for the [\*IDEA-ICE-3000 Professional Inspector Certification Exam \(ICE\)\*](#).

Web site: <http://www.idofea.org/idea-training-seminar-curriculum>

Contact: Tom Sharpe, Senior Board Member  
SMT Corporation  
14 High Bridge Rd.  
Sandy Hook, CT 06482  
Phone: 203-270-4705  
E-mail: [tsharpe@smtcorp.com](mailto:tsharpe@smtcorp.com)

IDEA  
6312 Darlington Ave.  
Buena Park, CA 90621

### 16.1 IDEA Counterfeit Mitigation and Inspection Training Course (Course #: IDEA-ANM-12)

The course provides an introduction to *IDEA-STD-1010*, "Acceptability of Electronic Components Distributed in the Open Market," and provides training in methods for the visual detection of counterfeit and substandard characteristics of electronic components. The training environment provides a unique opportunity to examine real components with live, onsite microscopic magnification to obtain experience in the visual inspection techniques of *IDEA-STD-1010* and learn how to detect counterfeit components firsthand.

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In addition to public training events, IDEA also offers site-specific courses. For more information about a private course at your location, e-mail your inquiry to [info@idofea.org](mailto:info@idofea.org)

Focus: Senior management, supply chain managers, purchasing managers, procurement personnel, material analysts, engineering personnel, procurement engineers receipt inspectors, QA and QC managers and inspectors, technicians, craft and installers, investigators, vendor auditors and inspectors, suppliers and vendors

Cost: Fee

### 16.2 Acceptability of Electronic Components Distributed in the Open Market

The course presents *IDEA-STD-1010-B*, the first inspection standard that addresses the needs for the inspection of electronic components traded in the open market. This standard is a must for quality assurance and inspection departments. *IDEA-STD-1010* documents industry-accepted quality criteria for electronics components and contains full-color photographs. Topics include terms definitions. Magnification aids and lighting, product handling, packaging, packing, and storage, about the open market electronic components industry, product inspection, equipment and tools, moisture sensitivity handling precautions, photographing parts, reduction of hazardous substances (RoHS), and much more are presented.

Focus: Procurement personnel, material analysts, engineering personnel, procurement engineers receipt inspectors, QA and QC inspectors, technicians, craft and installers, investigators, vendor auditors and inspectors, suppliers and vendors

Cost: Fee

### 16.3 IDEA-ICE-3000 Professional Inspector Certification Exam

The IDEA-ICE-3000 Professional Inspector Certification Exam is designed to demonstrate inspection competency and resource ability of the inspector.

Focus: Electronics receipt inspectors, material analysts, QA and QC personnel, technicians, suppliers and vendors

Cost: Fee

### 17.0 **INTERNATIONAL ANTI-COUNTERFEITING COALITION (IACC)**—A nonprofit organization devoted solely to combating product counterfeiting and piracy. IACC helps individuals find intellectual property law firms, investigative agencies, and product security firms.

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Web site: <https://iacc.org/training-partners/iacc-foundation-and-u-s-training.php>

Contact: Angelo Mazza, Attorney  
Gibney, Anthony & Flaherty, LLP  
Phone: 212-705-9841, 212-705-9801  
E-mail: [aepmazza@gibney.com](mailto:aepmazza@gibney.com)

- 17.1 The IACC Foundation has developed several different formats for training sessions to meet the needs of law enforcement. Working together with brand holders and investigators, the sessions vary from trade fairs for time-pressed organizations to half- and full-day sessions with speakers and panels based on local needs. Many local sessions are coordinated with a local member investigator to ensure that attendees and speakers provide strong presentations on relevant case issues.

Focus: Senior management, supply chain managers, purchasing managers, procurement personnel, material analysts, engineering personnel, procurement engineers receipt inspectors, QA/QC managers and inspectors, craft and installers, investigators, vendor auditors and inspectors, suppliers and vendors, patent holders, customs agents, law enforcement

Cost: Fee

- 18.0 **(NATIONAL) INTELLECTUAL PROPERTY RIGHTS CENTER (IPR)—**  
U.S. DHS/Immigration and Customs Enforcement (ICE). As a joint Federal agency task force, the IPR Center uses the expertise of its member agencies to share information, develop initiatives, coordinate enforcement actions, and conduct investigations related to intellectual property theft. Through this strategic interagency partnership, the IPR Center protects the public's health and safety, the U.S. economy, and the Nation's war fighters.

Web site: <http://www.iprcenter.gov/>

Contact: Homeland Security Investigations  
National IPR Coordination Center  
2451 Crystal Dr., STOP 5105  
Arlington, VA 20598-5105  
Phone: 866-IPR-2060  
E-mail: [IPRCenter@dhs.gov](mailto:IPRCenter@dhs.gov)

Misty Price, Special Agent/Program Manager  
Phone: 703-603-3884  
Fax: 703 603-3872  
E-mail: [misty.price@dhs.gov](mailto:misty.price@dhs.gov)

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18.1 The IPR Center offers counterfeiting introductory lectures upon request.

Focus: Senior management, supply chain managers, purchasing managers, patent holders, customs agents, investigators, law enforcement, suppliers and vendors, importers and exporters

Cost: Free

19.0 **INTERNATIONAL ATOMIC ENERGY AGENCY (IAEA)** The IAEA is the world's center of cooperation in the nuclear field. It was set up in 1957 as the world's "Atoms for Peace" organization within the United Nations family. The agency works with its member States and multiple partners worldwide to promote safe, secure, and peaceful nuclear technologies.

Web site: <http://www.iaea.org/>

Contact: <http://www-pub.iaea.org/books/IAEABooks/6069/Managing-Suspect-and-Counterfeit-Items-in-the-Nuclear-Industry>

19.1 IAEA-TECDOC-1169 "Managing Suspect and Counterfeit Items in the Nuclear Industry"

This publication assists organizations in developing and implementing quality assurance policies, programs, procedures, and practices to eliminate the hazards created by suspect and counterfeit items that are present in nuclear facilities and to prevent the introduction of suspect and counterfeit items.

Focus: Senior management, supply chain managers, purchasing managers, procurement personnel, material analysts, engineering personnel, procurement engineers receipt inspectors, QA and QC managers and inspectors, craft and installers, investigators, vendor auditors and inspectors, suppliers and vendors, patent holders, customs agents, law enforcement, operations personnel, patent holders

Cost: Free online

20.0 **LEHIGH UNIVERSITY, CENTER FOR VALUE CHAIN RESEARCH (CVCR)**—Lehigh is a private research institution with more than 4,700 undergraduate and 2,000 graduate students. The CVCR provides a multidisciplinary approach to value chain research and education, creating opportunities for innovation by integrating analytical and quantitative engineering approaches with process-driven and field-based business research. The center pursues a broad range of knowledge creation and dissemination activities, with the aim of providing an umbrella under which researchers and practitioners can both understand and advance the cutting-edge knowledge in value- and supply-chain management.

Web site: <http://www.lehigh.edu/~inchain/index.html>



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Contact: Lehigh University  
Rauch Business Center  
621 Taylor St.  
Bethlehem, PA 18015  
Phone: 610-758-5157  
E-mail: [cvcr@lehigh.edu](mailto:cvcr@lehigh.edu)

Dr. Robert J. Trent, Ph.D.  
Director, Supply Chain Management Program  
Lehigh University  
Phone: 610-758-4952  
E-mail: [Rjt2@lehigh.edu](mailto:Rjt2@lehigh.edu)

Gregory L. Schlegel, CPIM, CSP, Jonah  
Executive-in-Residence, Center for Value Chain Management  
Adjunct Professor, Supply Chain Risk Management  
Lehigh University, Graduate Program  
Phone: 908-237-9186  
E-mail: [grs209@lehigh.edu](mailto:grs209@lehigh.edu)  
[gschlegel@shertrek.com](mailto:gschlegel@shertrek.com)  
[www.shertrack.com](http://www.shertrack.com)

APICS—The Association for Operations Management  
8430 West Bryn Mawr Ave., Suite 1000  
Chicago, IL 60631  
800-444-2742 or 773-867-1777 (APICS Customer Service)  
**Fax:** 773-639-3000  
E-mail: [services@apics.org](mailto:services@apics.org)

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### 20.1 Managing and Mitigating Risk in Supply and Operations

This course prepares the participant to lead risk management activities or to participate in the development of global risk mitigation strategies while gaining an understanding of critical risk management. Topics include:

- supply chain risk management and continuity planning
- strategies for supply chain management in a developing country
- accurately evaluating supplier performance and risk
- globalization: a world of opportunities
- the emerging discipline of supply chain risk management

Cost: Fee—open to non-APICS members

### 21.0 **MARYLAND CYBERSECURITY CENTER (MC<sup>2</sup>)**—A public research university (University of Maryland) focused on industry professionals. The Maryland Cybersecurity Center provides unique, hands-on educational experiences, emphasizing a "teaching hospital" model. Cybersecurity practitioners will have the opportunity for unique engagement in cybersecurity education, experiencing real-world data monitoring through MC<sup>2</sup>'s innovative approach.

Web site: <http://www.cyber.umd.edu/>

Contact: Eric Chapman, Associate Director  
 Primary Areas: Policy, legislation, corporate, and government partnerships  
 Phone: 301-405-7136  
 E-mail: [echapman@umd.edu](mailto:echapman@umd.edu)

Focus: Government personnel, industry, consumers, investigators, suppliers and vendors  
 Note: degree programs also are available

Cost: Fee

### 22.0 **NATIONAL SPACE AND AERONAUTICAL ASSOCIATION (NASA), JET PROPULSION LABORATORY (JPL)**—A joint venture in association with California Institute of Technology (CALTECH).

Web site: <http://mttc.jpl.nasa.gov/training/courses/counterfeitparts.html>

Contact: Brian Hughitt, Manager of Quality Assurance  
 NASA (HQ)  
 Office of Safety and Mission Assurance  
 Phone: 202-358-1572  
 E-mail: [Brian.hughitt@nasa.gov](mailto:Brian.hughitt@nasa.gov)

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22.1 Counterfeit Parts Avoidance for Electrical, Electronic, and Electro-mechanical (EEE) Components

Focus: Procurement personnel, receipt inspectors, QA and QC personnel, procurement engineers, investigators

Cost: Free to government employees, fee for non-government

23.0 **NUCLEAR TRAINING INSTITUTE (NTI)**—NTI is a "for-profit" organization providing educational resources to the U.S. military and the Federal and commercial nuclear power industries. NTI instructors have extensive industry experience in the subject matter. The institute offers courses periodically at NTI's Norcross, GA, facility, but alternate arrangements also are an option.

Web site: <http://nucleartraining.us>

Contact: Lina Correa, Marketing Coordinator  
Nuclear Training Institute  
205 Scientific Dr.  
Norcross, GA 30092  
Phone: 770-496-1406, Ext. 134  
E-mail: [Lcorrea@nucleartraining.us](mailto:Lcorrea@nucleartraining.us)

Cost: Fee

23.1 Nuclear Receipt Inspection

In addition to an introduction into counterfeit, fraudulent, and suspect item identification skills consistent with nuclear quality requirements in Appendix B, "Quality Assurance Criteria for Nuclear Power Plants and Fuel Reprocessing Plants," to Title 10 of the *Code of Federal Regulations* (10 CFR) Part 50, "Domestic Licensing of Production and Utilization Facilities," this 2-day class provides a basic understanding of receipt inspections activities such as: performing a visual examination of the material, accurately reading a Certified Material Test Report (CMTR), evaluating material inspection and test reports, evaluating hydrostatic test reports, and an overview of applicable codes and standards. An examination will be administered following the course to evaluate the participant's understanding of the subject matter. *Note: NTI may require that participants meet specific prerequisites to be eligible to receive certification. Contact NTI before registering.*

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- 24.0 **SOCIETY OF AUTOMOTIVE ENGINEERS (SAE) INTERNATIONAL**—A global industry association of more than 128,000 engineers and related technical experts in the aerospace, automotive, and commercial vehicle industries worldwide. SAE International's core competencies are life-long learning and voluntary consensus standards development.

Web site: <http://www.sae.org/pdevent/C0950/>

Contact: SAE Customer Service: 1-877-606-7323  
(724-776-4970 outside the United States and Canada)  
E-mail: [CustomerService@sae.org](mailto:CustomerService@sae.org)

24.1 Introduction to AS5553 and Counterfeit Electronic Parts Avoidance

These seminars benefit a wide range of individuals and experience levels across the electronics industry and supply chain. Anyone who designs, specifies, buys, receives, assembles, and tests electronic hardware will benefit from this seminar. This includes electronic design engineers, parts engineers, quality assurance engineers, buyers, auditors, inspectors, assemblers, electronic test engineers, microelectronic nondestructive test engineers, destructive test analysts, and supplier managers. Additionally, this seminar will benefit individuals in various levels of management who influence electronic hardware.

Focus: Electronics engineers, procurement personnel, material analysts, receipt inspectors, QA and QC personnel, design engineers, procurement engineers, craft and installers, vendor auditors and inspectors, investigators, suppliers and vendors

Cost: Fee, with a discount for SAE members

- 25.0 **THE SMART GROUP**—Private representatives of "ChipCheck," a collaborative research project involving various partner organizations developing a shared Web site through which members can check incoming electronic components.

Web site: <http://www.chipcheck.eu/>

Contact: ChipCheck, Project Coordinator  
TWI NDT Validation Centre (Wales)  
ECM, Heol Cefn Gwrgan  
Port Talbot, SA13 2EZ, UK  
Phone: +44 (0) 1639 873100  
1-877-606-7323 (SAE Customer Service)  
Fax: +44 (0) 1639 864679  
E-mail: [ian.nicholson@twi.co.uk](mailto:ian.nicholson@twi.co.uk)  
<http://www.chipcheck.eu/contact/>

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## 25.1 Introduction on Counterfeit Components and Inspection

Emphasis on nondestructive testing methods associated with automatically testing electronic components in their original packaging.

Focus: Procurement personnel, material analysts, receipt inspectors, QA and QC personnel, electronics engineers, procurement engineers, suppliers and vendors

Cost: Fee-free compact disc (CD) upon request

26.0 **SMT CORPORATION** SMT Corp. is a distributor of authenticated brand-name electronic components and quality and authentication test services.

Web site: <http://www.smtcorp.com/>

Contact: Tom Sharpe, Vice President  
SMT Corporation  
14 High Bridge Rd.  
Sandy Hook, CT 06482  
Phone: 203-270-4705  
E-mail: [tsharpe@smtcorp.com](mailto:tsharpe@smtcorp.com)

## 26.1 SMT Corporation-Counterfeit Electronics Awareness or Avoidance Training Sessions

Tom Sharpe is a subject-matter expert in the field of counterfeit electronic components and provides educational presentations to all user-sectors of the electronics industry. He provides CFSI awareness, detection, and prevention training to all levels of the supply chain and has presented at numerous conferences and technical symposiums.

Focus: Senior management, materials managers, purchasing managers, procurement personnel, engineering personnel, receipt inspectors, QA and QC managers and inspectors, procurement engineers, craft and installers, investigators, vendor auditors and inspectors, suppliers and vendors, patent holders

Cost: Free within the continental United States

27.0 **U.S. DEPARTMENT OF ENERGY (DOE), OFFICE OF HEALTH, SAFETY, AND SECURITY (HSS)**—Federal agency. The Office of Health, Safety, and Security was created to bring together the vital DOE corporate functions of health, safety, environment, and security under one office.

Web site: <http://www.hss.energy.gov/sesa/corporatesafety/sci/>

Contact: Duli Agarwal  
U.S. DOE Office of Quality Assurance  
Phone: 301-903-3919  
E-mail: [Duli.Agarwal@hq.doe.gov](mailto:Duli.Agarwal@hq.doe.gov)

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27.1 Suspect/Counterfeit Items Awareness Instructor-Led Training

Courses currently offered only to government employees.

Contact the National Training Center at:

[HSSUserSupport@hq.doe.gov](mailto:HSSUserSupport@hq.doe.gov) or  
[doffice@ntc.doe.gov](mailto:doffice@ntc.doe.gov) or  
<http://www.hss.doe.gov/NTC/>

Focus: Management, procurement personnel, material analysts, receipt inspectors, QA and QC personnel, procurement engineers, investigators

Cost: Fee

27.2 Suspect/Counterfeit Items Awareness Training Manual

Focus: Procurement personnel, engineering personnel, auditors, vendor inspectors, receipt inspectors, QA and QC managers and inspectors, procurement engineers, investigators, suppliers and vendors

Cost: Publicly available

Web site: [http://www.hss.doe.gov/sesa/corporatesafety/sci/SCI\\_TrainingManual.pdf](http://www.hss.doe.gov/sesa/corporatesafety/sci/SCI_TrainingManual.pdf)

27.3 Process Guide for the Identification and Disposition of Suspect/Counterfeit or Defective Items at Department of Energy Facilities

Focus: Procurement personnel, engineering personnel, auditors, vendor inspectors, receipt inspectors, QA and QC managers and inspectors, procurement engineers, investigators, vendor auditors/inspectors, craft and installers, suppliers and vendors

Cost: Publicly available

Web site: <http://www.hss.energy.gov/sesa/corporatesafety/sci/>

28.0 **U.S. DEPARTMENT OF JUSTICE (DOJ), COMPUTER CRIME & INTELLECTUAL PROPERTY SECTION (CCIPS)**—Federal agency. The Computer Crime and Intellectual Property Section (CCIPS) carries out the department's national strategies in combating computer and intellectual property crimes worldwide. CCIPS prevents, investigates, and prosecutes computer crimes by working with other government agencies, the private sector, academic institutions, and foreign counterparts. Section attorneys work to improve the domestic and international infrastructure—legal, technological, and operational—to pursue network criminals most effectively. The section's enforcement responsibilities against intellectual property crimes are similarly

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multifaceted. Intellectual property (IP) has become one of the principal U.S. economic engines, and the Nation is a target of choice for thieves of material protected by copyright, trademark, or trade-secret designation. In pursuing all these goals, CCIPS attorneys regularly run complex investigations, resolve unique legal and investigative issues that emerging computer and telecommunications technologies raise; litigate cases; provide litigation support to other prosecutors; train Federal, State, and local law enforcement personnel; comment on and propose legislation; and initiate and participate in international efforts to combat computer and intellectual property crime.

Web site: <http://www.justice.gov/criminal/cybercrime/>

Contact: John Lynch, Chief  
Computer Crime and Intellectual Property Section  
Phone: 202-514-2000; 202-514-1026 (CCIPS)

28.1 RT-220, DE-Introduction to Cyber Investigations (DE-ICI)

This course presents the processes, techniques, specialized documentation, legal guidelines, and requirements for conducting basic cyber-crime investigations through the use of lecture, practical exercises, scenarios, and case studies.

Note: DE = distance (remote) education  
ICI = international copyright institute

Focus: Defense criminal investigative organizations (DCIO), Federal and military investigators new to cyber crime, Federal and military computer forensic examiners, support personnel who directly support cyber investigations, patent holders

Cost: Fee

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**Table 2. List of Acronyms**

AAQ	Academy of Aerospace Quality
ABMA	American Bearing Manufacturers Association
ADAMS	Agencywide Documents Access and Management System
APICS	Association For Operations Management
CALCE	Center for Advanced Life Cycle Engineering
CALTECH	California Institute of Technology
CBP	U.S. Customs and Border Protection
CCIPS	Computer Crime & Intellectual Property Section
CD	compact disc
CEO	Chief Executive Officer
CFS	counterfeit, fraudulent, suspect
CFSI	counterfeit, fraudulent, suspect Item
CGI	commercial-grade item
CFR	<i>Code of Federal Regulations</i>
CMTR	Certified Material Test Report
CVCR	Center For Value Chain Research
DAU	Defense Acquisition University
DCITA	Defense Cyber Investigations Training Academy
DCIO	defense criminal investigative organizations
DE	distance (Remote) education
DHS	U.S. Department of Homeland Security
DKSP	Diminishing Manufacturing Sources and Material Shortages Knowledge Sharing Portal
DMSMS	diminishing manufacturing sources and material shortages
DOC	U.S. Department of Commerce
DOD	U.S. Department of Defense
DOE	U.S. Department of Energy
DOJ	U.S. Department of Justice
EEE	electrical, electronic, and electromechanical
EPRI	Electric Power Research Institute
FLTEC	Federal Law Enforcement Training Center
GIPA	Global Intellectual Property Academy
GQA	global quality assurance
HSS	Office of Health, Safety, and Security
IACC	International AntiCounterfeiting Coalition
IAEA	International Atomic Energy Agency
ICE	Inspector Certification Exam
ICE	U.S. Immigration and Customs Enforcement
ICI	International Copyright Institute
IDEA	Independent Distributors of Electronics Association
IP	Intellectual property
IPR	intellectual property rights
JPL	Jet Propulsion Lab
LLC	limited liability corporation
MC <sup>2</sup>	Maryland Cybersecurity Center
NASA	National Aeronautics and Space Administration



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NRC	U.S. Nuclear Regulatory Commission
NTI	Nuclear Training Institute
NUPIC	Nuclear Procurement Issues Committee
QA	quality assurance
QC	quality control
SAE	Society of Automotive Engineers
TAG	technical advisory group
UMD	University of Maryland
USPTO	U.S. Patent and Trademark Office
WBA	World Bearing Association