



Topical Workshop & Exhibition Counterfeit Electronic Parts; Awareness, Avoidance, Detection and Mitigation



Thursday, October 1, 2009

**Radisson Hotel at Los Angeles Airport
6225 W. Century Blvd., Los Angeles CA 90045**

Image Courtesy of NASA <http://grin.hq.nasa.gov/ABSTRACTS/GPN-2000-001036.html>



Co-hosted by the Southern California (SoCal) Chapters of the International Microelectronics and Packaging Society (IMAPS), NASA and the NASA/Jet Propulsion Laboratory (JPL) Counterfeit Electronic Parts Working Group



Workshop Endorsements:



CALIFORNIA



General Co-Chairs:	Organizing Committee:		
<p>Phil Zulueta Jet Propulsion Laboratory Phillip.J.Zulueta@jpl.nasa.gov (818) 354-1566</p> <p>Hossein Ahmad Boeing Satellite Development Center Hossein.Ahmad@boeing.com (310) 662-6251</p> <p>Bill Gaines, Exhibits Northrop Grumman William.Gaines@ngc.com</p>	Humna Khan	Humna.F.Khan@jpl.nasa.gov	(818) 354-2452
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	Larry Driscoll	lmdriscoll@sctsinc.com	(818) 704-9087
	Dan Dimase	dandimase@cox.net	(401) 374-1914

Morning Program:

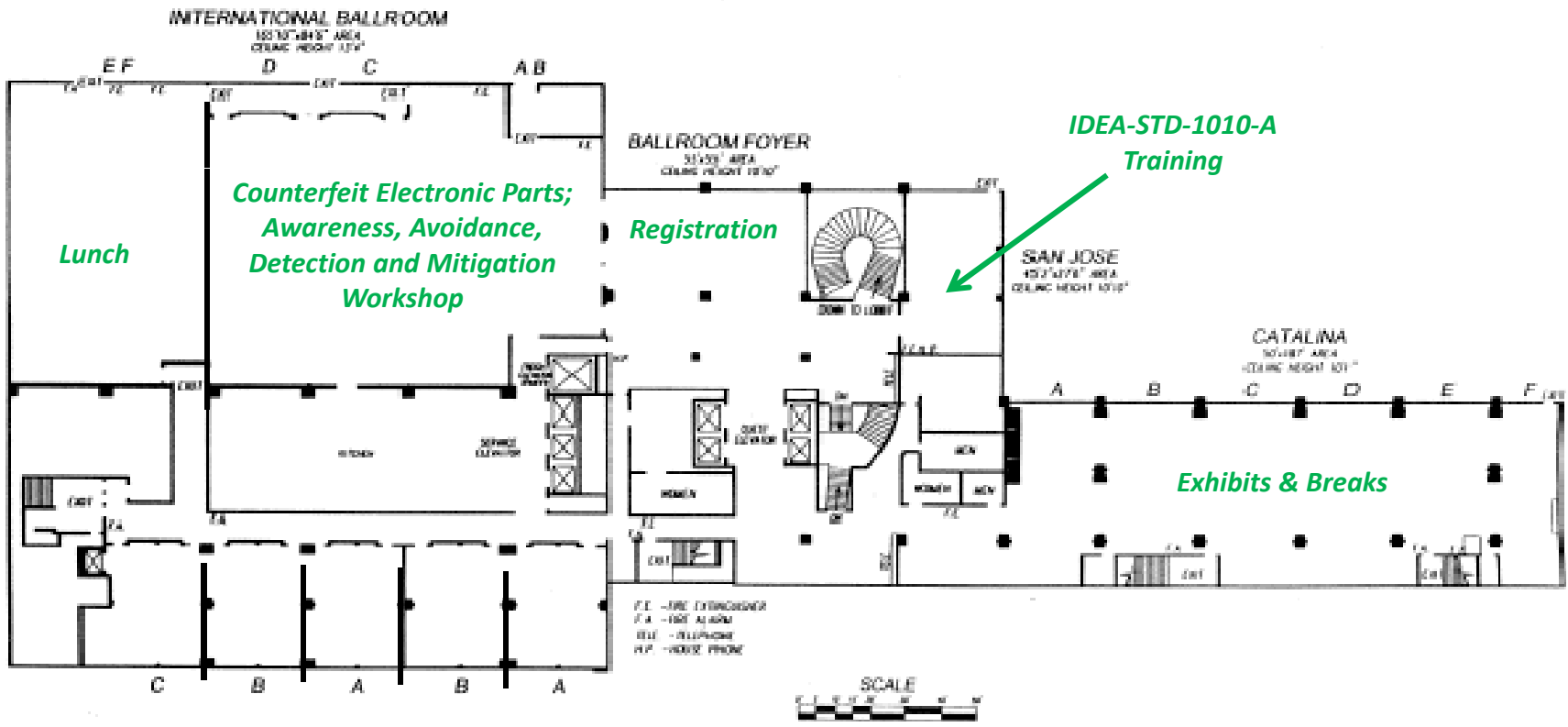
7:00 am - 4:00 pm	Registration	Ballroom Foyer
9:00 am - 5:00 pm	Exhibits	Catalina Room
7:55 - 8:00 am	Opening Remarks Phil Zulueta, Jet Propulsion Laboratory	International Ballroom ABCD
8:00 - 8:30 am	Brad Botwin, U.S. Department of Commerce Bureau of Industry & Security Counterfeits and the U.S. Industrial Base	
8:30 - 9:15 am	Tom Sharpe, SMT Corp. Counterfeiters' techniques are constantly improving to avoid detection – Our national security is dependent on us to keep up with them	
9:15 - 9:45 am	Robb Hammond, AERI, Costa Mesa CA First Line of Defense against Counterfeits	
9:45 - 10:00 am	Break	Catalina Room
10:00 - 10:30 am	Bill Nichols , Avnet Counterfeit Controls of a Franchised Distributor	International Ballroom ABCD
10:30 - 11:00 am	Henry Livingston, BAE Systems, Nashua NH Counterfeit Avoidance Through Purchasing Processes and Supplier Control	
11:00 - 11:30 am	Dan Dimase, Honeywell AS5553 – A New Standard in the Fight Against Counterfeit Electronic Parts	
11:30 - 12:00 am	Bill Pumford & Bob Karpen, DSPO/DLA Mitigating Counterfeit Issues Through GIDEP	

Afternoon Program:

12:00 - 1:00 pm	Lunch Break	International Ballroom EF
1:00 - 5:00 pm	<p>Debra Eggeman, IDEA IDEA - Introduction to the 1010 Standard—Visual Inspection of Parts Training Note: This training module is a supplementary event provided in conjunction with the IMAPS/JPL Counterfeit Workshop and requires additional registration and payment to attend. The registration fee is \$195/person prior to August 31 and \$245 per person after September 1. Registration form and information available at www.idofea.org/register-lax or at the Registration table the day of the event.</p>	San Jose Room
1:00 - 1:30 pm	<p>Art Ogg, World Micro, Roswell GA The Three Phases of Implementing the IDEA-STD-1010-A Inspection Standard for Detecting Counterfeit Components</p>	International Ballroom ABCD
1:30 - 2:00 pm	<p>Mark Marshall, Integra Technologies Electrical Testing for Counterfeit Detection</p>	
2:00 - 2:30 pm	<p>Mark Snider, ERAI ERAI Risk Mitigation Tools to Address Today's Complex Global Marketplace</p>	
2:30 - 3:00 pm	<p>Mark Goins, US Customs and Border Protection The Role of U.S. Customs and Border Protection in the Fight Against Counterfeit Electronics</p>	
3:00 - 3:15 pm	Break	Catalina Room
3:15 - 4:00 pm	<p>Tim Trainer, Global Intellectual Property Strategy Center Combating Counterfeits: Legal Enforcement 'Tools' Available</p>	International Ballroom ABCD
4:00 - 4:30 pm	<p>Craig Thurber, Immigration and Customs Enforcement Intellectual Property Rights Enforcement in the Electronics Industry</p>	
4:30 - 5:00 pm	<p>Brian Hughitt, NASA Office of Safety and Mission Assurance The Way Forward</p>	

Hotel Map:

RADISSON HOTEL LOS ANGELES AIRPORT SECOND LEVEL



Title: Counterfeits and the U.S. Industrial Base

Author: Brad Botwin
Director of Industrial Studies
U.S. Department of Commerce, Office of Tech Evaluation
Telephone:
Email:

Abstract:

Biography:

Title: Counterfeiters' techniques are constantly improving to avoid detection – Our national security is dependent on us to keep up with them

Author: Tom Sharpe
Vice President
SMT Corp.
Telephone: (203) 270-4705
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Abstract: With the world market as their sales territory and a host country that turns a blind eye to the rights of Intellectual Property (IP) holders worldwide, the counterfeiting and resale of electronic components in Shantou & Shenzhen China is alive, well and flourishing. A first-hand narration of a photo-documented tour of this area provides compelling and clear evidence showing this threat is far worse than we imagine and here to stay. The recent refinements of the counterfeiter's craft demonstrate clearly that we are battling very well-informed and well-funded groups of criminal enterprise.

What is still worse is that a large majority of this counterfeit material is produced specifically for Defense and Aerospace Industry applications. The dire consequences this situation exposes to our war fighters, our national security and our allies cannot be over-stated.

The only reasonable response from quality component distributors to this continually evolving threat can be to constantly re-evaluate, revise and improve all aspects of inspection techniques, processes and equipment used for component testing and authentication.

Biography: Tom Sharpe is the Vice President of SMT Corporation, located in Sandy Hook Connecticut. Tom co-founded SMT with his wife Kirsten in 1995 and they have since built SMT into one of the industry's leading Independent Stocking Distributors of electronic components. Tom also serves as the current Vice President of IDEA, and has served continuously on IDEA's Board of Directors since the year of it's formation in 2003. Tom is very active on the Defense & Aerospace Industry speaking tour and has become a leading voice from the Independent sector in the fight against counterfeit components in the electronics industry. Through his many speeches and presentations, Tom has made it his mission to educate OEM's about the dangers of counterfeits in today's market and best practices to mitigate those dangers.

Title: First Line of Defense against Counterfeits

Author: Robb Hammond
President & CEO
American Electronic Resource, Inc.
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Email: robb@aeri.com

Abstract: Many OEM's who have not experienced a true counterfeit catastrophe continue to lay their trust in the hands of seemingly professional brokers to screen their obsolete components for authenticity. My presentation outlines the simple steps to eliminate the possibility of an OEM purchasing from a broker which is either unprepared for counterfeit detection or is only motivated for financial gain. The presentation continues from vendor selection to a detailed description of each stage of counterfeit detection, inclusive of many pictures. It describes the necessary tools and how to use them during an investigation.

Biography: Robb Hammond is the President and CEO of American Electronic Resource, Inc. He established the company in 1993 with the goal of bringing professionalism to the Independent Electronic Component Distribution industry. His interest and passion in battling the proliferation of counterfeits has led him to take a significant role in leading the industry towards safe practices.

Robb has previously spoken at NASA's supplier conferences, the UK's Component Obsolescence Group conference and helped train OEM's at the Component Technology Institute. His company is a founding member of IDEA, a member of ERAI's counterfeit committee and selected as the independent distributor to review SAE's AS5553 document on Counterfeit Electronic Components; Avoidance, Detection, Mitigation, and Disposition.

Title: Counterfeit Controls of a Franchised Distributor

Author: William H. Nichols
Manager, Quality Assurance
Avnet Logistics Support Center
Telephone: (480) 643-6658
Email: Bill.Nichols@Avnet.com

Abstract: **This presentation will add**

Biography: Bill has 30+ years experience in electronic manufacturing and Quality Assurance. He started his career in Test Engineering and quickly moved into various management roles. For 11 years prior to joining Avnet Bill was a Vice President for the EFData division of Adaptive Broadband Corp. EFData was a world leader in the design and manufacturing of the Earth Station equipment for satellite communications providing High Speed modems, Up and Down converters, and other C & Ku Band products for the telecommunication industry, both commercial and Military. He started with EFData as Vice President of operations and spent the last five years as Vice President of Quality Assurance. Prior to EFData he was Director of Quality Assurance for a Medical Electronics Company in Tempe, AZ. He has a BSEE – Drexel University, Philadelphia, PA and is a US Air Force - Vietnam Veteran.

Title: Counterfeit avoidance through purchasing processes and supplier control

Author: Henry Livingston
Technical Director
BAE Systems Electronics Solutions
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Abstract: This briefing will include a supply chain analysis and observations from counterfeit cases discovered by BAE Systems, and will describe approaches to reduce the potential of acquiring counterfeit electronic components through robust purchasing processes.

Biography: Henry Livingston is an Engineering Fellow and Technical Director at BAE Systems *Electronics Solutions*. He is responsible for overseeing engineering activity for specifying components and evaluating their suitability for military and aerospace applications. Henry is Vice-Chairman of the *TechAmerica* G-12 Solid State Devices Committee, serves on the Executive Committee to the Aerospace Industries Association (AIA) Counterfeit Parts IPT, and he is a member of the SAE G-19 Counterfeit Electronic Parts Committee. Henry has published papers on component reliability assessment methods, obsolescence management, semiconductor industry trends and counterfeit electronic components, and he is a member of the IEEE.

Title: AS5553 – A New Standard in the Fight Against Counterfeit Electronic Parts

Author: Daniel Dimase
Quality Engineer
Honeywell Technology Solutions
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Email: dandimase@cox.net

Abstract: Counterfeit electrical, electronic, and electromechanical parts (EEE) have become a growing concern and a serious threat to mission safety and assurance for aerospace and military organizations. The magnitude and scope of the problem has become so significant, that the G-19 Committee was formed in September 2007 to develop a document that standardizes requirements, practices, and methods related to counterfeit parts risk mitigation suitable for multiple segments of the electronics supply chain. The committee that produced this document included representatives across the supply chain to better ensure its suitability in the industry. Many of the members had first-hand knowledge and experience in mitigating the risks associated with counterfeit electronic parts. The committee included representatives from the U.S. Department of Homeland Security, U.S. Department of Defense Services, NASA, Government Prime Contractors, Original Component Manufacturers, Contract Assembly Manufacturers, Franchised Distributors, Independent Distributors, Industry Suppliers and Industry Associations. SAE International has recently released the document, AS5553 - "Counterfeit Electronic Parts; Avoidance, Detection, Mitigation, and Disposition" standard, that provides succinct requirements and guidance to address the counterfeit EEE parts issue. The standard requires a counterfeit parts control plan to mitigate the risk. The control plan includes processes to specifically address counterfeit part risk mitigation methods in electronic design and parts management, supplier management, procurement, part verification, material control and response strategies when suspect or confirmed counterfeit parts are discovered. Future contracts and grants will likely include contract language requiring compliance to the standard. This presentation will explain the requirements of the standard and provide a roadmap to compliance.

Biography: Dan DiMase is a Quality Engineer for Honeywell Technology Solutions Inc. providing expertise as a counterfeit parts control specialist in their NASA Contract Assurance Services program (NCAS). He also served as President of ERAI in 2007 through 2008. ERAI is a privately held global trade association that monitors, investigates, reports, and mediates issues that are affecting the global supply chain of electronics. He has also been active in industry organizations including the US Department of Commerce's Coalition Against Counterfeiting and Piracy (CACP), and participated on task forces such as SAE International's G-19 Counterfeit Electronic Parts Document Development group and Aerospace Industry Association's Counterfeit Parts IPT. Dan DiMase has over 20 years of industry experience, previously serving as president of SemiXchange, Inc. - a Rhode Island-based independent distribution company he founded in 1994 and sold in 2007. He was also a founding member of the Independent Distributors of Electronics Association (IDEA), a non-profit trade association representing quality and ethically oriented independent distributors of electronic components. He received his Bachelor of Science degree in Electrical Engineering from The University of Rhode Island and has his Six-Sigma Green Belt Certificate from Bryant University. He is currently attending Northeastern University's Executive MBA program.

Title: Mitigating Counterfeit Issues Through GIDEP

Authors: Bill Pumford
DMSMS Program Manager
GIDEP
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and
Bob Karpen
System Engineer
CSC GIDEP Support
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Abstract: The Government-Industry Data Exchange Program (GIDEP) is a Department of Defense program established to promote and facilitate the sharing of technical information between government agencies and industry partners to increase systems safety, reliability, and readiness and to reduce systems development, production, and ownership costs. Most people are familiar with the “GIDEP ALERT” that report incidences of nonconformance experienced by GIDEP users. GIDEP has been collecting reports on special occurrences of nonconformance, known as suspect counterfeits, for many years.–It is apparent from recent discussions at conferences that we are receiving reports on only a small portion of the actual occurrences of suspect counterfeit parts and materials, and they are increasing. This problem is being attacked through standards development and surveys to identify roadblocks to reporting the problems. This presentation will update you on the status of these efforts and include a proposal for reporting and handling of suspect counterfeit parts and materials data.

Biography: Bill Pumford is the Diminishing Manufacturing Sources and Material Shortages (DMSMS) Program Manager at GIDEP where his primary responsibilities include Data Production and liaison with government and industry activities in the sharing of DMSMS related information.

Bob Karpen supports the DMSMS and Failure Experience data managers at the GIDEP. Bob's engineering background includes various projects and electronic parts programs at three NASA facilities, including the role as manager of the NASA Standard Parts Program from 1978 through 1985 and lead of the Parts Engineering Group at Jet Propulsion Lab from 1985 to 2000. He started out with eight years of design and analysis experience, followed by 30 years in mission assurance positions.

Title: Introduction to the 1010 Standard—Visual Inspection of Parts Training

Note: This training module is a supplementary event provided in conjunction with the IMAPS/JPL Counterfeit Workshop and requires additional registration and payment to attend. The registration fee is \$195/person prior to August 31 and \$245 per person after September 1. Registration form and information available at www.idofea.org/register-lax or at the Registration table the day of the event.

Instructor: Debra Eggeman
Executive Director
Independent Distributors of Electronics Association (IDEA)
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Email: deggeman@idofea.org

Description: The IDEA training is based on *IDEA-STD-1010-A, Acceptability of Electronic Components Distributed in the Open Market* and the *IDEA-SG-2020 Study Guide* for preparation for the *IDEA-ICE-3000* Inspector's Certification Exam. This four hour training provides both lecture and hands on experience particularly in the examination for detection for indicators of substandard and counterfeit characteristics utilizing non-magnification as well as magnification techniques. This training is recommended for components engineering, procurement, quality assurance, and inspection personnel and for both candidates and non-candidates for the IDEA-ICE-3000 exam. Attendees who complete this four hour training will receive a "Certificate of Attendance to the IDEA-STD-1010 Training".
Note: Successful attendance to this training does not guarantee candidacy for the IDEA-ICE-3000 exam. Go to www.idofea.org for information on IDEA-ICE-3000 candidacy requirements.

Biography: Debra Eggeman is the Executive Director of the Independent Distributors of Electronics Association (IDEA) a non-profit trade association. Debra has been an active member in the electronics industry for over 30 years. She was employed for 20 years by Odetics, Inc., an OEM for flight data recorders for NASA and other space agencies as well as an OEM of flight critical assemblies for U.S. military aircraft. In 2002 Debra entered the Independent Distribution business by joining Rand Technology as Vice President of Quality and Operations then later joined the Independent Distributors of Electronics Association (IDEA) as its Executive Director.

As Executive Director Debra chaired and managed the development of the industry's first consensus based component inspection standard *IDEA-STD-1010 Acceptability of Electronic Components Distributed in the Open Market* and the Industry's Professional Inspector's Exam, *IDEA-ICE-3000*. Debra is a featured guest speaker providing, presentations, lectures, and workshops at industry quality and anti-counterfeit events. Debra has been a participating member of the SAE G-19 Committee since its inception in October 2007. Debra earned her formal education in Quality Assurance and Reliability from Fullerton College, in Fullerton, California.

Title: The Three Phases of Implementing the IDEA-STD-1010-A Inspection Standard for Detecting Counterfeit Components

Author: Art Ogg
Quality Director
World Micro
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Email: aogg@worldmicro.com

Abstract: The reasons for poor Quality and for the receipt of counterfeit or reworked components will be explained. The positive effects upon the mitigation of illegal and reworked parts by the implementation of *the IDEA-STD-1010-A Inspection Standard* will be highlighted. A detailed explanation of how counterfeit components are finding their way into the United States will be shown in addition to real examples of how the IDEA Inspection Standard was used to detect counterfeit/reworked components.

The presentation will show milestones and helpful tips on how to implement the standard with as little impact to the organization as is possible. The presenter will explain the reasons why electronic components are illegally modified and how you can detect fake shipping boxes, labels and packaging materials. The material will conclude with suggestions about what your organization can do in addition to implementing *the IDEA-STD-1010-A Inspection Standard* to protect your organization from receipt of counterfeit electronic components.

Biography: Art Ogg joined World Micro in March 2006. As the Director of Quality, Mr. Ogg is responsible for World Micro Quality Initiatives, product quality, ISO Certifications and technical documentation. Prior to joining World Micro, Mr. Ogg held Senior Quality management positions with Seagate Technology and Digital Equipment Corporation. He brings 40 years of Quality and high tech electronics experience to this position.

Mr. Ogg earned his degree in Business Administration from the North Central College. He is an IDEA Certified Professional Inspector, an ISO Lead Auditor and a 6-Sigma Greenbelt. He has given numerous presentations at SMTA conferences and written several technical white papers on the subject of counterfeit, reworked electronic component detection and mitigation. He is the SMTA-Atlanta Chapter Secretary.

Title: Electrical Testing for Counterfeit Detection

Author: Mark Marshall
VP Engineering
Integra Technologies LLC
(316) 630-6812 (Phone and Fax)
Email: Mark.marshall@integra-tech.com

Abstract: Integra Technologies has had over 25 years experience testing and qualifying Integrated Circuit components both for IC manufacturers and military and space users of devices. In recent years there has been a dramatic increase in the occurrence of counterfeit components creating a need for efficient methods to detect them. Electrical test has become one of the important methods used in the evaluation of counterfeit devices, however there is often confusion about how much testing is needed and how testing requirements are communicated.

The presentation will describe various testing strategies used in detecting counterfeit parts and will provide actual examples and experiences with identified counterfeit parts. Electrical test will be further discussed including descriptions of effective methods to implement electrical test and cost trade-offs with test coverage. Cost effective electrical test methods will be shown that can provide a reasonably high assurance of detecting counterfeit parts. Also covered will be different types of counterfeit devices and the test methods required to detect them. Finally some discussion will be included on problems with broker directed component screening.

Biography: Mr. Marshall has degree in Electrical Engineering and has been working in the field of electronic component evaluation for over 25 years. He has expertise in the evaluation, testing and qualification of Integrated Circuits. He has extensive experience in Integrated Circuit component management and played a key role in setting supplier strategies for NCR, AT&T and Lucent. Mark currently is the Vice President of Engineering at Integra Technologies where he is responsible for the test engineering development group. Integra's engineering staff has expertise in many fields of test including microprocessors, memories, ASIC's, RF and mixed signal as well as expertise in qualification and environmental stressing of components.

Title: ERAI Risk Mitigation Tools to Address Today's Complex Global Marketplace

Author: Mark Snider
Founder and President
ERAI, Inc.
Telephone: (239) 261-6268
Email: mark@erai.com

Abstract: While the counterfeiting of everyday items such as perfume, watches, golf clubs and handbags has become commonplace over the years, the problem of counterfeiting has not been perceived as potentially catastrophic. Unfortunately, counterfeiting has expanded to include integrated circuits, causing a serious concern to companies in the aerospace, defense, medical and nuclear industries. While the counterfeiting of everyday items results in infringements of trademarks and/or intellectual property, the counterfeiting of electronic components used in mission-critical equipment can endanger lives. This presentation will provide an overview of counterfeit and substandard parts throughout the global hi-tech supply chain and will illustrate the services developed by ERAI, Inc. to help reduce exposure through easy to implement risk mitigation tools.

Biography: Mark Snider's background in the electronics industry dates back to the early nineties as the Founder and President of a small independent distribution company called Pilgrim Components located in Plymouth, Massachusetts. By 1995, Mark founded ERAI which, until recently, was more commonly referred to as the Electronic Resellers Association International Inc. What started as a very small group of companies sharing data to protect each other from losses resulting from fraudulent activities has since grown into the world's most complete and comprehensive resource for industry related risk mitigation tools. Today, ERAI continues to provide services to many of the same companies the helped form the original ERAI as well as prominent Fortune 500 companies.



Title: The Role of U.S. Customs and Border Protection in the Fight Against Counterfeit Electronics

Author: Mark Goins
IPR Industry Officer
U.S. Customs and Border Protection Office of International Trade
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Abstract: The presentation provides an overview of CBP's role in IPR enforcement and explains the enforcement process, including interdiction, seizure, forfeiture and disposition of IPR infringing goods. Other topics include: post-seizure disclosure of detailed seizure information to trademark owners and assessment of financial penalties against violators, the role of CBP scientific laboratories in identification of counterfeit electronics, CBP resources for trademark owners and other victims of counterfeiting and CBP's role in the international enforcement arena. Lastly, CBP IPR enforcement processes will be illustrated with examples of recent large-scale CBP enforcement operations in the counterfeit electronics sector.

Biography: Mark Goins is IPR Industry Officer in U.S. Customs and Border Protection Office of International Trade, where he has national responsibility for IPR border enforcement in the information technology sector. He works with owners of intellectual property, trade associations, U.S. government agencies and foreign governments to advance IPR border enforcement. Mr. Goins has represented CBP in the U.S., Europe, Asia and South America.

He has designed and coordinated large-scale anti-counterfeiting operations targeting computer software, electrical merchandise bearing counterfeit UL, Inc. certification marks, computer networking equipment, semiconductor devices and other products. Mr. Goins designed and coordinated Operation Infrastructure, the first joint IPR border enforcement operation undertaken by the US and the European Union, resulting in seizures totaling more than 410,000 counterfeit integrated circuits and networking equipment components. The operation took place in five countries during late 2007 and uncovered a pattern of trade in counterfeit networking equipment and integrated circuits passed off as genuine products from 40 of the world's largest U.S., European, Japanese, and Korean technology companies. It was followed in 2008 by Operation Infrastructure II, a U.S. operation which resulted in additional seizures totaling more than 420,000 of the same types of products bearing counterfeit marks of 50 technology companies.

He initiated outreach to computer network equipment trademark owners in 2004 and led CBP targeting, training and coordination for the ongoing International Initiative Against Traffickers in Counterfeit Network Hardware announced jointly by the U.S. Departments of Justice and Homeland Security and the RCMP in February, 2008. The Initiative included Operation Cisco Raider and has resulted to date in more than 500 seizures of counterfeit networking equipment and labels with an estimated retail value of more than \$80 million. ICE and FBI have executed more than 55 warrants related to counterfeit computer network hardware. To date nine defendants have received jail sentences totaling more than fourteen years. A number of additional significant cases have not yet gone to trial.

Mr. Goins is a graduate of the School of International Service of the American University in Washington, D.C.

Title: Combating Counterfeits: Legal Enforcement 'Tools' Available

Author: Timothy Trainer
Founder
Global Intellectual Property Strategy Center, P.C.
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Abstract: This session will explore current U.S. laws that are available to intellectual property rights (IPR) owners, primarily, federal criminal and customs provisions and current legislation in Congress. In addition, the session will identify legal requirements on the U.S.'s trading partners arising from free trade agreements and other international standards and current negotiations involving the Anti-Counterfeiting Trade Agreement (ACTA). In addition to "legal" tools, government resources will be identified as additional tools that stretch limited corporate resources. The session will also raise basic questions that should be explored in determining the IPR enforcement structure in foreign markets. Finally, the session will suggest recommended complementary IPR training that might be provided in foreign markets in order for U.S. companies to improve their image as good corporate citizens in foreign markets.

Biography: Timothy Trainer established the Global IP Strategy Center, P.C., in 2005. He has focused on intellectual property enforcement and policy issues for 20 years. His IPR experience includes government service with the U.S. Customs Service, Intellectual Property Rights Branch (now CBP) and the U.S. Patent and Trademark Office's Office of Legislative and International Affairs. In the private sector, Mr. Trainer has worked at a law firm and headed the Washington, DC-based International AntiCounterfeiting Coalition before establishing his current consulting firm. He has delivered IPR presentations and conducted training in approximately 50 countries. Mr. Trainer has also testified before US Congressional committees and represented the US at the World Intellectual Property Organization. While President of the International AntiCounterfeiting Coalition, he was involved with INTERPOL's IP Crime Action Group and also co-chaired the UN Economic Commission for Europe's IP Working Group. Mr. Trainer teaches as an adjunct law professor at American University and has written and published numerous IPR related articles and books. Since 2006, he has co-authored *Protecting Intellectual Property Rights Across Borders*, an annually published book by Thomson West. Regarding IPR public awareness, he has developed an online IPR game awareness tool.

Title: Intellectual Property Rights Enforcement in the Electronics Industry

Author: Craig Thurber
Senior Special Agent
National Intellectual Property Rights Coordination Center
U.S. Immigration & Customs Enforcement
U.S. Department of Homeland Security
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Abstract: Immigration and Customs Enforcement (ICE), ensures national security and public safety by protecting the health and safety of the U.S. public and stopping predatory and unfair trade practices, which threatens the U.S. economic stability, market competitiveness, and places public health at risk.

We'll show how ICE through the newly reorganized National Intellectual Property Rights Coordination Center (IPR Center) works with IP trade associations and rights holders to identify investigate and prosecute IPR violators and how the new operational capability at the IPR Center allows us to conduct active investigations making the IPR Center a "one-stop-shop" in IP enforcement. Later we'll discuss growing trends and vulnerabilities to the U.S. import system created by counterfeiters and close with practical solutions that the electronics industry can employ to better protect themselves from counterfeiters.

Biography: Senior Special Agent Craig Thurber is currently assigned as a Section Chief to the National Intellectual Property Rights (IPR) Coordination Center in the U.S. Immigration and Customs Enforcement (ICE), Department of Homeland Security, Washington D.C. The IPR Center is a multi-agency center responsible for coordinating a unified U.S. Government response regarding IPR enforcement issues. Particular emphasis is given to protecting the public health and safety of U.S. consumers, investigating major criminal organizations engaged in transnational IPR crime, and pursuing the illegal proceeds derived from sales of counterfeit merchandise

Agent Thurber transferred to Washington D.C. in 1998 as the National Program Manager in charge of State and Local Joint Operations, then later became the West Coast Field Operations Manager. Agent Thurber also has served as the ICE Interagency Coordinator at DHS Headquarters and spent 2 years with the ICE Special Investigations Unit. Prior to transferring to Washington D.C., Agent Thurber was with the U.S. Customs Service in San Francisco, where he specialized in Commercial Fraud and Smuggling undercover operations. In the late 80's and early 90's Agent Thurber pioneered techniques in IPR investigations culminating with the first successful conviction for money laundering in a fraud case against a Chinese counterfeiter in (*U.S. vs. YUKA INTERNATIONAL*).

Agent Thurber has been with the federal government for more than 28 years, beginning his career as an officer in the U.S. Coast Guard stationed in Washington D.C. and Seattle. In 1987 he joined the U.S. Customs Service in San Francisco and has investigated marine smuggling, commercial fraud, trade embargo, money laundering and asset removal cases.

Title: The Way Forward

Author : Brian Hughitt
National Aeronautics and Space Administration
Office of Safety and Mission Assurance
Telephone: (202) 358-1572
Email: brian.hughitt-1@nasa.gov

Abstract: Brian Hughitt will be stepping back from the detailed workshop discussions to provide an overarching thirty thousand foot view of where we are in the global fight against counterfeiting: how we got here, where we are, and a strategic vision of what still needs to be done to effectively defeat the counterfeiting perpetrators.

Biography: Brian Hughitt serves as the Manager of Quality Assurance for NASA's Office of Safety and Mission Assurance. Brian is responsible for Quality Program policy and requirements; chairs NASA's Quality Leadership Forum and Joint Audit Planning Committee; and manages the Agency's Supplier Assessment System.

Prior to joining NASA in January 2004, Brian served over 20 years in various Government and industry Quality Assurance capacities, including: Inspection Department Supervisor for Corning Glass Works; Quality Assurance Group Leader for Newport News Shipbuilding; Quality Assurance & Submarine Safety Branch Head for Naval Sea Systems Command; and Material Control Manager for NAVSEA's Quality Programs Office. During his time at NAVSEA, Brian co-authored the Navy's Material Control Standard and chaired the Navy's Supplier Audit Program.

Brian earned a Bachelor's degree in Chemistry from the University of Virginia and is a graduate of George Washington University's Executive Development Program.



NASA Center: Johnson Space Center

Image # : 51A-104-049

Date : 11/14/1984

Title

Satellites For Sale

Full Description

Astronaut Dale A. Gardner, having just completed the major portion of his second extravehicular activity (EVA) period in three days, holds up a "For Sale" sign referring to the two satellites, Palapa B-2 and Westar 6 that they retrieved from orbit after their Payload Assist Modules (PAM) failed to fire. Astronaut Joseph P. Allen IV, who also participated in the two EVAs, is reflected in Gardner's helmet visor. A portion of each of two recovered satellites is in the lower right corner, with Westar 6 nearer Discovery's aft.

Image Courtesy of NASA <http://grin.hq.nasa.gov/ABSTRACTS/GPN-2000-001036.html>