## Counterfeit & Fraudulent Items

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## Counterfeit & Fraudulent Items Agenda

- Impact of counterfeiting on the global economy
- Proliferation of counterfeit products
- What is the gray market and why it's the channel for counterfeit products
- Examples of counterfeit, suspect and fraudulent items affecting the nuclear industry
- How to mitigate your risk from counterfeit, suspect, and Fraudulent items

# What is the Global Impact of Counterfeiting?

## What is the Impact of Counterfeiting on the Global Market?

- Globally counterfeiting is estimated to be \$1.77T
- In the U.S. counterfeiting is estimated to be \$200B \$250B
- The loss of 750,000 jobs annually in the U.S. can be attributed to the lost revenues of counterfeiting
- The domestic value of IPR seizures for 2016 was \$1.4B
- 538% Growth in value of seizures (MSRP) since 2010 with electrical products representing 12% of all seizures
- Nearly 90% of counterfeits seized by U.S. Customs originate in China or Hong Kong

The Timing has never been better to attack this Global Problem



#### Definition

#### Counterfeit:

An imitation intended to be passed off fraudulently or deceptively as new or genuine.

#### Related:

- Bargain priced knock-offs; common with luxury goods, watches, and handbags but now becoming more prevalent with electrical products.
- Counterfeits may be newly manufactured fakes or products refurbished with counterfeit components, packaging, marks, documentation or labeling.
- Counterfeit and fraudulent circuit breakers are unsafe and pose a significant risk to channel partners, contractors, and end users.
- Unauthorized resellers tend to be the origin of counterfeit products, knowingly or unknowingly, due to sourcing practices.

## What factors contribute to products being targeted by counterfeiters?

- Well known global brand
- High volume products
- High demand products
- Large installed base
- Complex, loosely controlled, supply and distribution chains
- Internet access to customers



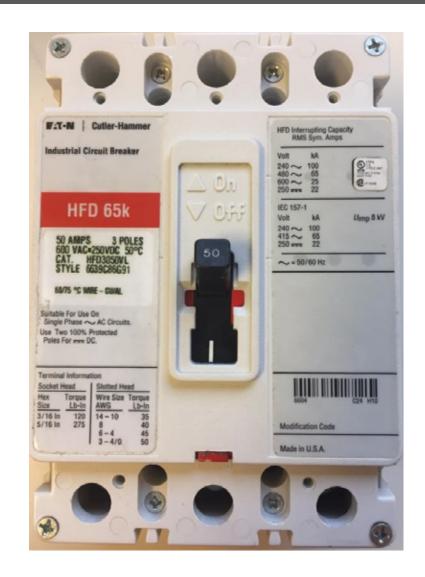
All well-known brands are being counterfeited

## Why are Counterfeits a Growing Problem?

- Consumers desensitized by bargain priced knock-offs
- Counterfeits not fully understood as a major threat to safety
- Easy access to illicit manufacturing and distribution via the internet
- Laws exist in many countries and lack of enforcement is still an issue

#### Dangers of Counterfeit Electrical Products

- Counterfeit circuit breakers are difficult to detect and extremely dangerous.
- Assembled with inferior internal parts that are not built to OEM specifications and are likely untested.
- Increased risk to personal safety, equipment, and loss of production due to failures.



# What is the Gray Market and how it affects me

## What is Gray Market?

#### **Gray Market:**

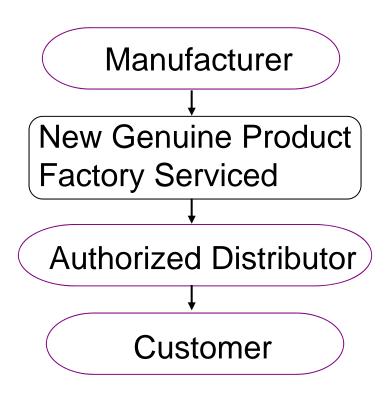
The unintended resell of genuine products by, unauthorized, independent resellers or brokers.

#### Related:

- Products sourced by a variety of methods and sold "as new" but without a manufacturer relationship, support, or warranty.
- Gray market goods may be new but are acquired through means outside of authorized distribution channels and policies.
- Gray market resellers frequently misrepresent surplus, used or refurbished goods as new, genuine, product.
- Gray market resellers have the highest risk for counterfeit, substandard, or fraudulent goods due to sourcing practices.

#### Product Origin – Authorized Distribution

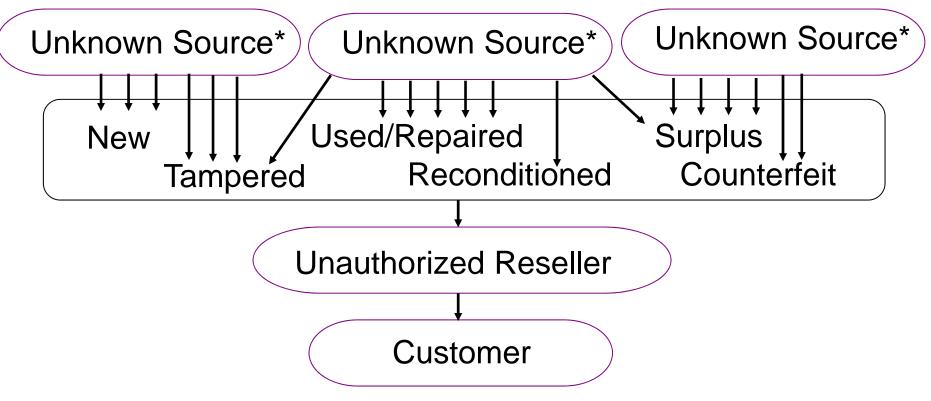
#### **Authorized Distribution**



Purchasing products from a manufacturer's authorized reseller should ensure that the product is new, genuine, and fully warranted

#### Product Origin - Gray Market

#### Unauthorized Broker or Reseller



Unknown sources means unauthorized resellers are ALWAYS at Risk

#### Gray Market Inventory Illustrated



Actual image from eBay listing for NEW Eaton circuit breakers

http://www.ebay.com/itm/NIB-HFD3175-600V-3P-175A-EATON-CUTLER-HAMMER-BREAKER-NIB-/122345526327?hash=item1c7c5c9437:g:0PQAAOSwnipWVKfD

## Breaker at US Nuclear Plant observed by AREVA





## Breaker at US Nuclear Plant observed by AREVA





## Breaker at US Nuclear Plant observed by AREVA





# Counterfeit Breaker Examples

## Counterfeit Breakers are an industry problem and prevalent across the major brokers

- TAMAS TOLDY OF PIONEER BREAKER PLEADS GUILTY TO TRAFFICKING COUNTERFEIT CIRCUIT BREAKERS
- JURY FINDS BREAKERS UNLIMITED GUILTY OF SELLING COUNTERFEIT CIRCUIT BREAKERS.
- NORTH AMERICAN BREAKER CO. RECALLS COUNTERFEIT CIRCUIT BREAKERS DUE TO FIRE HAZARD
- CONNECTICUT ELECTRIC RECALLS COUNTERFEIT SQUARE D CIRCUIT BREAKERS DUE TO FIRE HAZARD
- SQUARE D® OBTAINS INJUNCTION AGAINST MIAMI BREAKER AND GENERAL BREAKER &
   PANEL TO PREVENT THE SALE OF COUNTERFEIT PRODUCTS
- SQUARE D® COMPANY OBTAINS INJUNCTION AGAINST MAINE CIRCUIT BREAKER TO PREVENT THE SALE OF COUNTERFEIT PRODUCTS
- SQUARE D® COMPANY SETTLES WITH SPECIALTY LAMP INTERNATIONAL TO PREVENT THE SALE OF COUNTERFEIT PRODUCTS
- NORTH AMERICAN BREAKER COMPANY PERMANENTLY ENJOINED FROM SELLING COUNTERFEIT SQUARE D® PRODUCTS
- CES LIQUIDATING AND TES LIQUIDATING PERMANENTLY ENJOINED FROM SELLING COUNTERFEIT SQUARE D® PRODUCTS
- SCOTT ELECTRIC PERMANENTLY ENJOINED FROM SELLING COUNTERFEIT SQUARE D® PRODUCTS

## Counterfeit Breakers are an industry problem and prevalent across the major brokers

#### **December 8, 2011**

Jacksonville, FL

Business owner pleads guilty to trafficking in counterfeit circuit breakers

JACKSONVILLE, Fla. – A Texas business owner pleaded guilty in federal court Wednesday to one count of mail fraud and one count of trafficking in counterfeit circuit breakers, following an investigation by U.S. Immigration and Customs Enforcement's (ICE) Homeland Security Investigations (HSI).

Elod Tamas "Nick" Toldy, 62, of Austin, Texas, owner and operator of Pioneer Breaker & Control Supply in Austin, and Nick's Sales, the business' online sales and marketing component, is scheduled to be sentenced in April.

"This individual, motivated only by greed, has allowed these potentially dangerous counterfeit circuit breakers to be bought and used in homes and businesses around the country. These items, which have not been properly manufactured or tested, could lead to costly repairs, property damage, and even serious injury or death," said Susan McCormick, special agent in charge of the ICE HSI office overseeing Jacksonville. "Together with our law enforcement partners, HSI will continue to engage in an unrelenting pursuit of those companies and individuals who attempt to profit from the illegal trafficking of counterfeit products."

On April 21, 2010, ICE HSI special agents from Jacksonville and Austin executed a search warrant at Pioneer Breaker & Control Supply's warehouse in Austin, resulting in the seizure of approximately 19,000 counterfeit electrical components and label making equipment. The manufacturer's suggested retail price (MSRP) of the electrical components was more than \$1.7 million. A subsequent search of another warehouse in Laredo, Texas, by ICE HSI special agents there lead to the seizure of an additional 77,000 counterfeit circuit breakers with an MSRP of more than \$3 million.

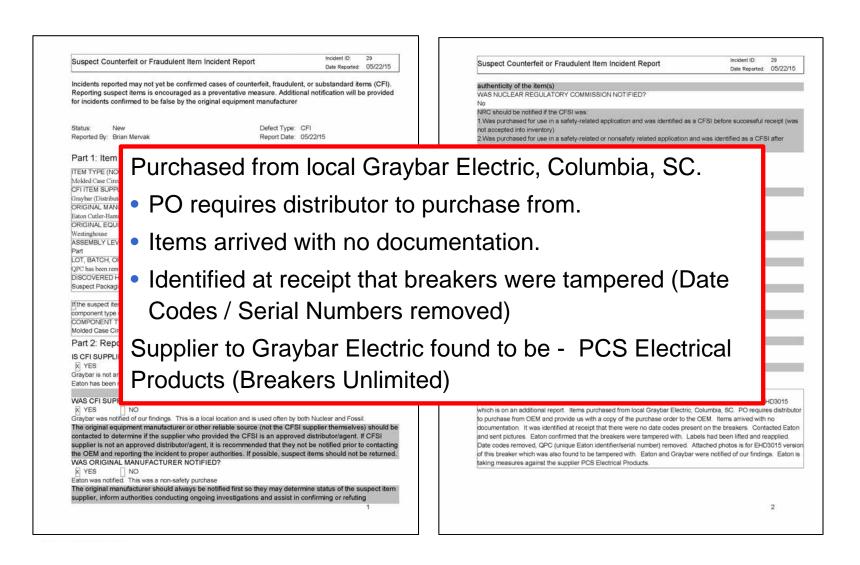


# Counterfeit & Fraudulent Items 1st Recorded Incident Nuclear Utility SCE&G 2015

## Counterfeit & Fraudulent Items 1st (and 2nd) Recorded Incident



## Counterfeit & Fraudulent Items 1st (and 2nd) Recorded Incident



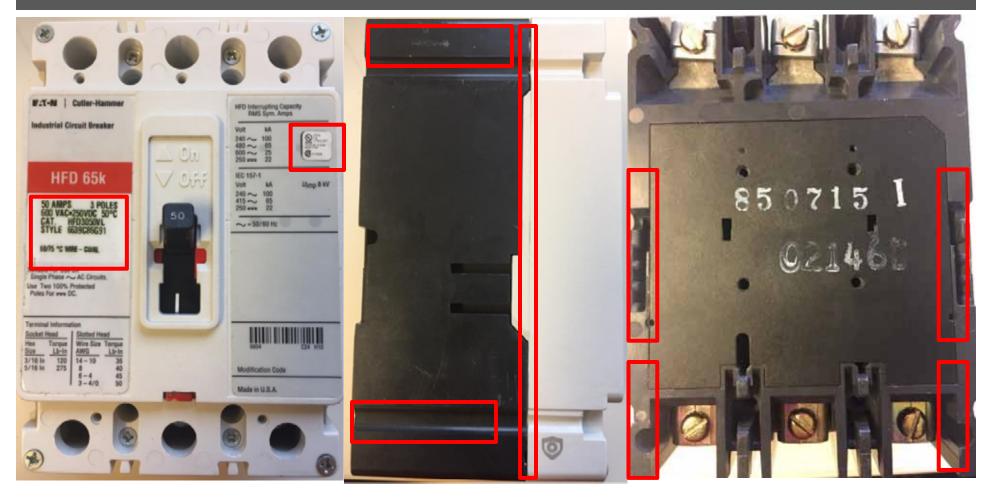
## Counterfeit & Fraudulent Items 1st (and 2nd) Recorded Incident

#### **CFSI** Recap

- Defect ID Reports 29, 30
- Molded case circuit breakers:
  - (2) EHD3070
  - (14) EHD3015
- Not purchased from a manufacturer's representative, documentation not provided
- Product found to be tampered and altered
- Reseller and OEM alerted







#### **CSFI** Recap

- Multiple orders from (2) vendors.
- Molded case circuit breakers:
  - (5) HFD3050VL
  - (3) HFD3030V
- Not purchased from a manufacturer's representative, documentation not provided
- Product found to be counterfeit, scavenged, altered, modified and unsafe.

# How to mitigate my risks of counterfeit products

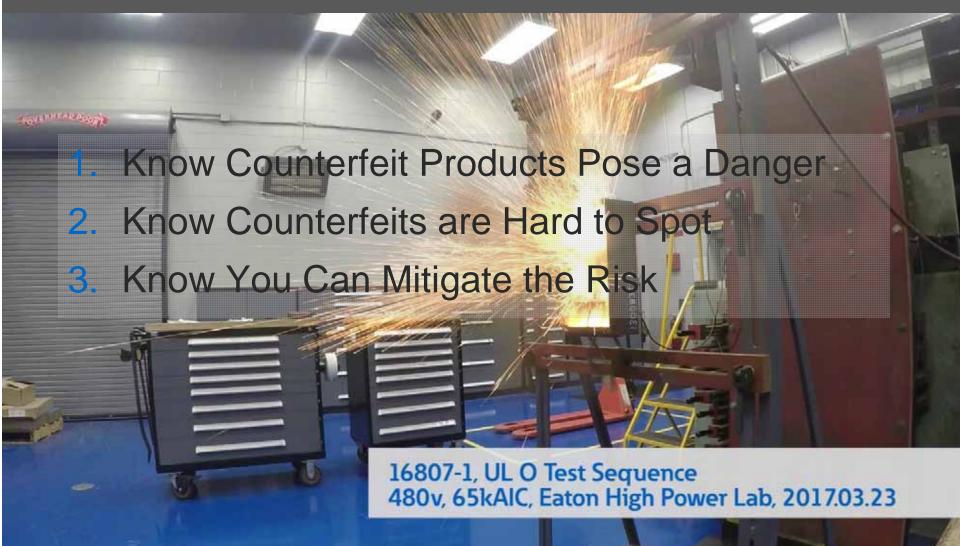
## How to Mitigate the Risk of Counterfeit Products









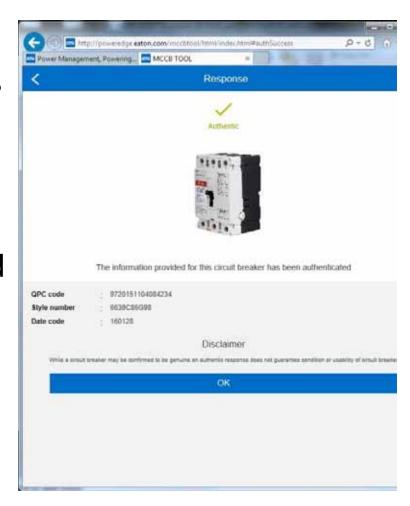






## Use Manufacturer's Tools Authentication

- Support of Eaton's MCCB products through 400A (launched 2011)
- Circuit Breaker authentication and product information
- Responsive design for desktop and mobile devices
- Eaton's PowerEdge App for iOS and Android devices





#### Call to Action

- You can easily become an unsuspecting victim of counterfeit products
- You should always be able to track a product to the original OEM – authorized distribution
- Authenticate whenever possible using the manufacturer's published information
- Alert the OEM of any suspect products that you might encounter

# Thank You QUESTIONS?

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