



Counterfeit PPE



ALL PARTICIPANTS ARE
MUTED
UPON ENTRY OF THE
SESSION



PLEASE USE THE **CHAT**
FEATURE TO SEND ALL
QUESTIONS TO KIM
ESPOSITO QUESTIONS
WILL BE ADDRESSED AT
THE END OF THE
MEETING



THIS SESSION IS
BEIGN RECORDED
AND WILL BE
AVAILABLE TO
MACSC MEMBERS



2020-2021 SLATE OF CANDIDATES FOR OFFICER POSITIONS

- President, Shane Skennonto, Hunter Roberts Construction Group
- Vice President, Dennis Dougherty, Med-Tex Services
- Treasurer, Kim Esposito, HSC Builders and Construction Managers
- Secretary, Bill Burke, Madison Risk Group

Counterfeit PPE

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Sales Solutions, Inc.

For those of you that don't know us

- ▶ Manufacturers Reps focused on Safety
 - ▶ Brian:
 - ▶ OSHA 30, 510, Competent Person - Fall Protection, Certified Sales Professional
 - ▶ By Sept 1: CHST AND OSHA 500
 - ▶ CPMR completion date 1/2022
 - ▶ Mike:
 - ▶ OSHA 30, 510, 500, CPMR, Competent Person - Fall Protection, QSSP
- ▶ Our mission is to serve our Manufacturers, Distributors and Users of the equipment we offer by not only being knowledgeable about the brands we represent but also understanding how those products intersect with the standards to deliver the best possible solution and provide training on the use and installation of our products to keep you workforce safe and productive on the job.
 - ▶ MORE ON HOW A MANUFACTURER CAN ASSIST YOU LATER

Disclaimer

- ▶ This presentation is designed to help you understand and identify PPE that can be deemed to be illegal, suspect, counterfeit or noncompliant. If you have any concerns about the PPE in your possession it is recommended you contact the manufacturer for verification.

GLOBAL SHORTAGES

- PPE SHORTAGES FOR CONSUMABLE ITEMS ARE AT AN ALL TIME HIGH
 - RESPIRATORS
 - NITRILE GLOVES
 - SAFETY GLASSES
 - DISPOSABLE GARMENTS
- SOME WILL BE ABLE TO RESPOND QUICKLY WHILE OTHERS WILL NEED TIME TO RAMP UP PRODUCTION
 - RAW MATERIALS AND PACKAGING
 - PRICES SKY ROCKETING
- MOVEMENT CONTROL ORDERS
 - What is this and what does it mean for PPE supplies
- WHAT DOES THIS MEAN FOR YOU?
 - PLANNING IS CRUCIAL - 12 - 18 MONTHS
 - WORKING WITH YOUR DISTRIBUTORS AND MANUFACTURERS IS CRITICAL NOW MORE THAN EVER

Dangers of Counterfeit PPE

- ▶ Lack of Testing
 - ▶ Without testing there is no guarantee the device can protect against what it says it can
- ▶ Could Contribute to Injury or Illness
- ▶ Financial
- ▶ Jobs shutting down
- ▶ Social Responsibility
 - ▶ SA8000
 - ▶ Mfg's being charged with human trafficking

Counterfeit PPE

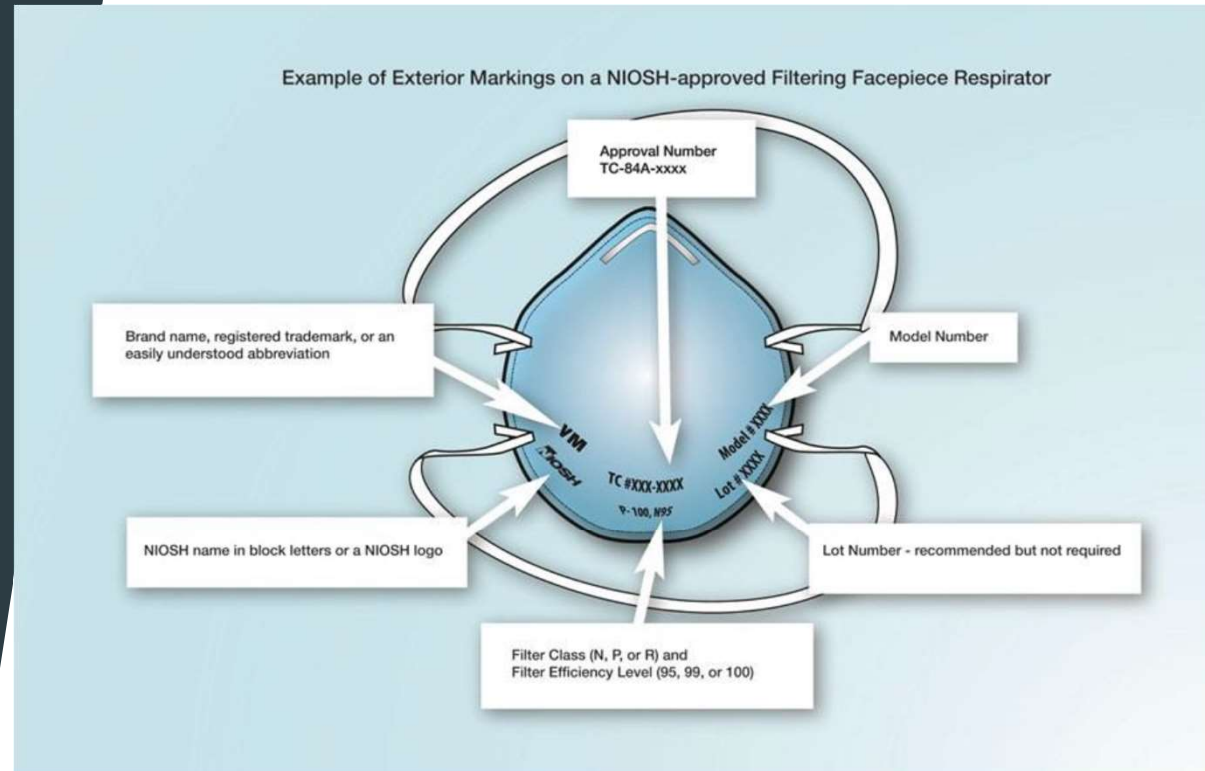
- Customs and Boarder Patrol Seizures since June 1st
 - 107,300 FDA-prohibited COVID-19 test kits in 301 incidents;
 - 750,000 counterfeit face masks in 86 incidents;
 - 20 Million masks seized before leaving origin as fake or counterfeit
 - 2,500 EPA-prohibited anti-virus lanyards in 89 incidents; and
 - 11,000 FDA-prohibited chloroquine tablets in 91 incidents

FACE MASKS: What to look for

- ▶ NIOSH-approved respirators have an approval label on or within the packaging of the respirator
- ▶ Additionally, an abbreviated approval is on the FFR itself
- ▶ Signs that a respirator may be counterfeit:
 - ▶ No markings at all on the filtering facepiece respirator
 - ▶ No approval (TC) number on filtering facepiece respirator or headband
 - ▶ Counterfeiters use numbers of legitimate manufacturers
 - ▶ No NIOSH markings
 - ▶ NIOSH spelled incorrectly
 - ▶ Presence of decorative fabric or other decorative add-ons (e.g., sequins)
 - ▶ Claims for the of approval for children (NIOSH does not approve any type of respiratory protection for children)
 - ▶ Filtering facepiece respirator has ear loops instead of headbands

Example of NIOSH-approved FFRs

- ▶ Brand Name
- ▶ NIOSH in block letters
- ▶ Filter Class
- ▶ LOT NUMBER (recommended not required)
- ▶ Model Number
- ▶ Approval Number



3M EXAMPLE

3M 8210
Particulate Respirator N95

IMPORTANT: Before use, read User Instructions inside.

Use For
Particles such as those from grinding, sanding, sweeping, bagging, or processing minerals; coal, iron ore, flour, metal, wood, pollen, and other substances. Liquid or solid aerosols, vapors, or gases that do not contain oil. For additional recommendations, consult the 3M Respirator Selection Guide and the 3M OH&ESD web site or call 1-800-243-4630 in U.S.A. or 1-800-267-4414.

Do Not Use For
Gases and vapors; oil aerosols, asbestos, arsenic, cadmium, lead, 4,4'-methylene dianiline (MDA), or sandblasting concentrations that exceed 10 times the PEL, OEL, specific OSHA standards, or applicable government regulations, whichever is lower. This respirator does not supply oxygen.

NIOSH Approved: N95
At least 95% filtration efficiency against solid and liquid aerosols that do not contain oil. See insert for approval label.

Time Use Limitation
If respirator becomes damaged, soiled, or breathing becomes difficult, leave the contaminated area immediately and replace the respirator.

This respirator contains no components made from natural rubber latex.

WARNING: Leave and replace it
This respirator helps protect against certain particulates. Misuse may result in sickness or death. For proper use, see supervisor or User Instructions or call 3M in U.S.A. 1-800-243-4630 or 1-800-267-4414.

FOR MORE INFORMATION
In United States, contact:
Internet: www.3m.com/occsafety
Technical Assistance: 1-800-267-4414
For other 3M products: 1-800-368-5828 or 1-800-737-4601

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FACE MASKS: What can you do?

- ▶ The NIOSH National Personal Protective Technology Laboratory (NPPTL) created the International Respirator Assessment program to assess the filter efficiency performance of international respirator products for federal and state agencies, employers, and healthcare systems.
- ▶ NPPTL has completed assessments for many products the results are available online.
- ▶ According to NIOSH, 60% failed the test (offering a less-than 95% filtration rate).
- ▶ One of the worst offenders tested at only between 34-24% in filtration efficiency.
- ▶ Do you have an imported respirator?
 - ▶ Have it tested by NIOSH
 - ▶ NIOSH can complete these in 5-7 days, but keep in mind it's only a filtration test, not the full certification testing.
 - ▶ For those considering purchasing non-NIOSH respirators from China
 - ▶ FDA has a list of approved Non-NIOSH respirators

SAFETY VESTS

ANSI garments have always required to have a Pictogram label, however the New 2015 Standard requires all ANSI garment labels to clearly designate FR or Non-FR. The updated pictogram is shown below.

Z = FR or Non-FR
Garment
Designation*



X = Type of Garment*

Y = Class of Garment*

*As defined in the ANSI/ISEA 107-2015 memorandum.

If the garment is FR, the specific standard must be appropriately noted on the label. If the garment is Non-FR, the following statement must be present:

**“This garment is not Flame Resistant as defined by
ANSI/ISEA 107-2015 Section 10.5”.**

SAFETY VESTS

► Labeling

- High Visibility Safety Apparel (HVSA) that conforms to the standard must have a label that shows the type and performance class
- Compliance to the most recent standards.
- Typically updated every 5 years
- Declaration of Conformity required
 - Listing
 - Material tested in accordance with the standard
 - Design and construction meets the standard



SAFETY VESTS

Food for thought in a COVID world: Enhanced Visibility

- Allows organizations to communicate quickly with different job functions.
- Reduces exposure of personnel to a variety of hazards (i.e., Only certain color vest allowed in certain areas).
- Manage the workforce more efficiently.



Hand Protection

Counterfeit, fake, faguzie, knock off, cheater, illegal

- The standards- some allow for a range of results or a pass/feel
 - Some results are interpreted by the user.
 - Some standards allow for self certification
- There are two standards that guide our hand protection selection, ANSI/ISEA 105-2016 and EN 388 -2017.
 - Both have options for measuring cut resistance and other hazards. We will focus on cut resistance and Abrasion (wear) .
 - Both standards can measure cut resistance using A TDM cut machine. This measure grams until cut through. For example Cut level A4 is 1500 to 2200 grams.
- Manufactures can self certify, do in house testing. Test can be subjective, influenced. Results can be misleading.
- Abrasion test done on a tabor abrasion wheel. It is a visual test to see wear through. Supposed to stop test on first piece of yarn broken!

Hand Protection

Test Video for Cut Gloves



Hand Protection

Nitrile Gloves

- Thinner gloves are being made - virtually no exam grade so that AQL (accepted quality levels) levels will be very high. Whereas exam grade gloves are made with less defects. They feel people won't care but they will use much more. Also they won't hold up when applied with hand sanitizers.
- Thinner gloves will tear much faster even upon donning - again, more waste.
- Short counts on dispensers/cases. I.e. instead of glove manufacturer's putting the correct count (100 gloves in a box), they are now putting 85 to 90 pcs. Very sketchy practice
- Less innovation and little if at all new technologies. This may change within a year or two. (Companies that innovate during this time are Allstars!)
- More material options open up....Vinyl, TPE and even latex.
- In hand protection as eyewear, you have counterfeit but also a huge variance in quality of product meeting the standard but being very different quality levels



KASK s Imitation

Helmets

- ▶ Example of Counterfeit helmets being sold in NYC
- ▶ Counterfeiters are getting good! Very hard to tell the difference

Avoiding Counterfeit PPE

- ▶ ASK QUESTIONS:
- ▶ Scrutinize packaging, manuals and labels
- ▶ VESTS: The vest as a complete product is self certified but the background material and reflective trim are certified with a Declaration of Conformity (DOC)
 - ▶ Labels - make sure they reference the most current standard (5-year cycle typically)
- ▶ GLOVES - CERTIFIED VIA 3RD PARTY TESTING. ASK FOR DOC
 - ▶ Residual Levels
 - ▶ Skin Health Alliance
- ▶ FALL PROTECTION
 - ▶ CERTIFIED TO ANSI Z359 IN AND ISO 17025 LAB
- ▶ Helmets
 - ▶ Not only tested to but easily demonstratable via documentation that they conform to the standards that are claimed
 - ▶ ANSI Z89 AND EN12492
 - ▶ Visors / Shields ANSI Z87+
- ▶ Buying products that conform to the highest levels of the standards AND can be validated by certified testing documentation is the only way to ensure you are not buying counterfeit PPE and you are delivering the most protective solutions to your workforce.

How to avoid Counterfeit PPE

- ▶ Be part of the process
 - ▶ Scrutinize labels and packaging
 - ▶ communicate the hazards of counterfeit PPE to your purchasing dept
- ▶ Buyer Beware - Avoid Bargains
- ▶ Work directly with reputable manufacturers
 - ▶ Manufacturer rep or manufacturer engagement in the process of securing PPE that meets all the relevant standards, ANSI recommendations and assisting with assessing an application and training in it's use is vital
 - ▶ Ultimately you will buy these products from trusted and authorized distributors. Working with a Manufacturers rep or Manufacturer will allow you to find the best possible solution and request that from a distributor
 - ▶ Buying Online vs. Buying Local
 - ▶ Support?
 - ▶ Training?

What to do if you suspect counterfeit PPE

- ▶ Remove from service
- ▶ Contact the original manufacturer. This will allow authentication of the suspect product and ensure the potentially unsafe product is removed from the marketplace
- ▶ Contact who you purchased from (if you can)
 - ▶ Ask for Declarations of Conformity or testing documents
- ▶ Report to the proper authorities
 - ▶ US Customs and Boarder Patrol
 - ▶ Consumer Product Safety Commission

Question?