

# Training for Unapproved Parts, Counterfeit Parts, Approved Parts, and Human Factors.

By: Gary Buoniconti

# Unapproved Parts

An unapproved part is a part or material that does not meet any one of the 4 requirements: (See approved parts slide for examples)

Approved Design

Properly Produced

Properly Maintained

Properly Documented

How do we ensure proper parts are ordered?

- Use the Approved Suppliers or Vendors List;
- Look for OEM Manufactures;
- Using technical data and other data showing who is an approved vendor or supplier. Some technical data have this list in the back.

If you suspect a part is Unapproved/Counterfeit Parts  
Contact Quality and we will contact the FAA Hotline or  
Mail a hard copy to the address below:  
Federal Aviation Administration  
Office of Audit and Evaluation  
800 Independence Avenue, SW  
Washington, DC 20591  
Attn: AAE-300, Room 911



# Counterfeit Part

- An unauthorized copy or substitute part/material that has been identified, marked, or altered by a source and has misrepresented to be from a legally authorized source.
- Example: [Aliexpress](#). This is a direct example of an item that copies a trademarked item.

# Approved Part

- What is an approved part?
    - A part that has been
      - Properly Designed (Follows the created numbered engineering and current revision level)
      - Properly Produced (Produced, tested, and inspected, which is all accomplished by the authorized persons to determine airworthiness)
      - Properly Maintained (Certificated by: FAA, ISO, AS, or other means to ensure standards.)
      - Properly Documented (Proper paperwork/tags sent with part/material.)
- (See AC 21-29 for complete definition)

# Human Factors

What is the dirty dozen and how does it affect you?

Human Factors – *The Dirty Dozen*

Daily Pressures

- Lack of communication
- Complacency
- Lack of knowledge
- Distractions
- Lack of teamwork
- Fatigue
- Lack of resources
- Pressure
- Lack of assertiveness
- Stress
- Lack of awareness
- Norms

# Human Factors

- Human Factors is an individual, team and management responsibility. Everyone must recognize that the correct execution of work requires a responsible attitude, essential knowledge and skill for the job - and good leadership. (correct execution of work = quality as well as safety)
- Correct execution requires a structured approach to plan and integrate quality into the work processes.
- While the others are self-explanatory, we can expand upon from the organization perspective to better illustrate the responsibilities held at the individual and management levels. The prevention of defects and non-conformances caused by human error is the goal.

# Q&A

- Questions?