

FAA Regulatory and Organizational Updates, Suspected Unapproved Parts

Presented to:

ASA AFRA 2024 Conference

By:

**Jay Hiles, Manager-Aircraft Maintenance
Division (AMD) AFS-300**

Date:

June 24, 2024



**Federal Aviation
Administration**



Flight Standards Overview

- **FAA Organizational Charts (Contact Info)**
- **Regulatory / Guidance Updates**
- **Suspected Unapproved Parts Updates (SUPS)**



FAA Leadership Org Chart

Michael Whitaker
Administrator

Tim Arel
Chief Operating
Officer Air Traffic
Organization (AJO)

Shannetta Griffin
Associate
Administrator for Airports
(ARP)

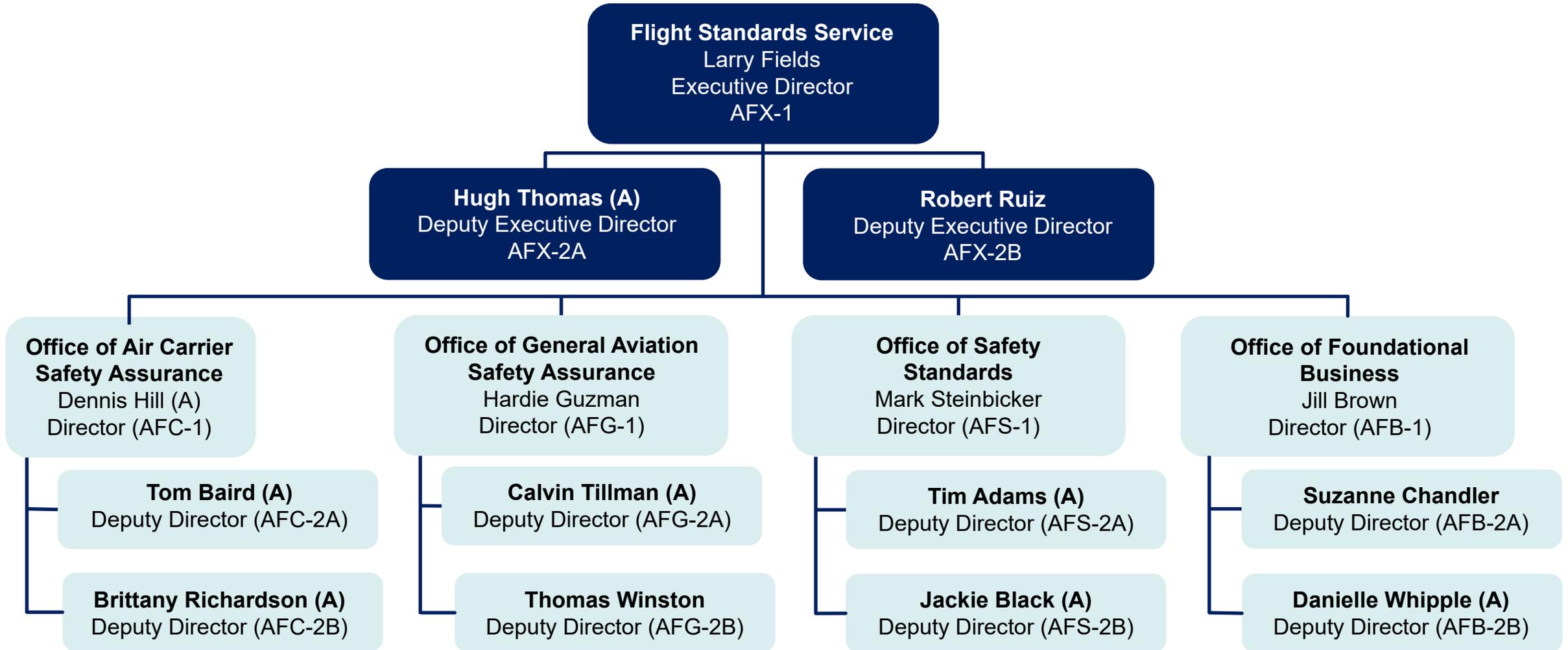
Tonya Coultas (A)
Associate
Administrator for
Security & Hazardous
Materials Safety (ASH)

Kelvin Coleman
Associate
Administrator for
Commercial Space
Transportation (AST)

David Boulter
Associate
Administrator for
Aviation Safety
(AVS)



Flight Standards Org Chart



HOW TO FIND CONTACT INFO AT THE FAA

• <https://www.faa.gov/>

ABOUT

AVIATION SAFETY

FLIGHT STANDARDS SERVICE OFFICE

OFFICE OF SAFETY STANDARDS

OFFICE OF SAFETY STANDARDS (AFS) SERVICES AND CONTACTS

OSS INFOGRAPHIC

AFS-300: Aircraft Maintenance Division
Vacant: Division Manager **Mobile:**
• Airworthiness of civil aircraft
• Certification, inspection, and surveillance of maintenance, airmen (mechanics, repairmen, parachute riggers), avionics, and air agencies (Aviation Maintenance Technician Schools, repair stations)
Admin Support: [Monica Wallace](#) **Division Website:** [click here](#)
Sr. Tech Advisor: [Abbie Otis](#) **General inquiries:** [click here](#)
Admin Officer: [Patricia Verbeck](#) **Phone:** (202) 267-1675

AFS-320: Airmen and Special Projects Group
John (Jay) Hiles: Manager **Section Managers:**
Mobile: 540-907-1775 **Kevin Morgan: Airmen**
Office: 202-267-1699
• Maintenance related EIRs
• Suspected Unapproved Parts Prog. **Kenneth Mahan: Special Projects**
• Airmen certification and testing (Part 65 Subparts D, E and F) **Mobile:** 405-666-1038
• Part 147 Aviation Maintenance Technician Schools (AMTS) **Front Line Manager: John Fisher: Special Projects**
• Part 183 Representatives of the Administrator: DME, DPRE, DAR-T **Mobile:** 202-394-7542

AFS-330: Commercial Aviation Group **Section Managers:**
Dale Hawkins: Manager **Mark Trudeau (A): Part 121**
Mobile: 847-385-1752 **Mobile:** 406-465-4141
• Human factors
• Minimum Equipment Lists **Timothy W. Weaver: Part 135**
Mobile: 904-577-5835
• Service Difficulty Reporting
• ICAO & MRB Policy Board **Front Line Managers:**
David Hoyng: Part 121
Mobile: 325-386-4574
• Commercial aircraft maintenance (Part 91K, 119, 121, 125 & 135)
• Operations Specifications **Jim Anderson (A): Part 135**
Working Group (OSWG) Mobile: 5038879677
• Technical assistance for Extended & Polar Operations
• Technical assistance for CMOs on aircraft maintenance
• Continuous Airworthiness Maintenance Programs
• Joint Implementation Measurement and Data Analysis

AFS-340: General Aviation Group **Section Managers:**
Christopher Parfitt: Manager **Lynn Richards: General Aviation**
Mobile: 202-308-5584 **Mobile:** 360-907-2721
Patricia K. Williams: Repair Stations
• FAA-certificated repair stations
• Certification, inspection, and surveillance of GA maintenance
• Avionics lead for ELT, ADS-B, transponders, etc. **John Endicott: Avionics**
Office: 901-219-2205
• Bilateral Aviation Safety Agreement (BASA)/Maintenance **Office:** 678-492-1748
Front Line Managers:

AFS-400: Flight Technologies & Procedures Division **Romana Wolf: Division Manager (A) Mobile 603-320-1496**
To improve flight operations, standardization, and aviation safety within U.S. and international airspace systems, and to support the NextGen plans through regulations, standards, and policy on flight operations, aircraft, airspace, airports, and procedures.
Admin Support: [Angela Williams](#) **Division Website:** [click here](#)
Sr. Tech Advisor: [Mark E. Fox](#) **General inquiries:** [click here](#)
Admin Officer: [Alexander Abels](#) **or click here**
Phone: (202) 267-8790

AFS-405: Organizational Effectiveness
Julie Webb: Manager **Office:** 405-954-0087
To ensure consistency, interdependence, critical thinking, and agility across the division through implementation of safety programs, risk management, professional development, and communications.
• Contribute to the division's organizational health
• Ensure consistent and quality maintenance and implementation
• Manage professional development efforts for the division
• Conduct strategic planning for the division

AFS-410: Flight Operations Group **Section Managers:**
James Marks: Manager (A) **James Marks: (A) 410A**
Mobile: 202-769-8890 **Mobile:** 202-769-8890
Merrill "Jazz" Armstrong: 410B
Mobile: 202-341-0468
Thomas Walsh: 410C
Mobile: 404-295-2586
Michael Costa: 410D
Mobile: 469-891-1252
Brian Hint: (A) 410E
Mobile: 202-937-8666
Develop safe Communication, Navigation, and Surveillance and air traffic management operations using existing & emerging technologies and innovative operational concepts.
• Develop, analyze, provide technical guidance, and implement policies, standards, criteria, requirements, specifications, limitations, applications, and approvals on:
• Instrument flight operations
• Performance-based navigation
• Integration of new & emerging technologies
• Implementation of NextGen
• Special areas of operation
• New entrants
• Represent Flight Standards in international meetings and liaisons with foreign CAAs to foster global safety standards



FAA Regulatory Updates

<u>Rule</u>	<u>Publication Date</u>	<u>Link</u>
Drug and Alcohol Testing of CRS Employees Outside of the U.S.	NPRM – Dec 7, 2023 Comment period closed April 5, 2024	https://www.federalregister.gov/documents/2023/12/07/2023-26394/drug-and-alcohol-testing-of-certificated-repair-station-employees-located-outside-of-the-united
Inspection Programs for Single-Engine Turbine-Powered Airplanes and Unmanned Aircraft; and Miscellaneous Maintenance-Related Updates	NPRM – Jan 31, 2024 Comment period closed April 1, 2024	Federal Register :: Inspection Programs for Single-Engine Turbine-Powered Airplanes and Unmanned Aircraft; and Miscellaneous Maintenance-Related Updates



Recent update to AC 00-56B Change 1 / Table 1

- **Change1** – Based on recent industry issues, we removed the list of FAA-acceptable quality system standards and acceptable accreditation organizations from the AC and relocated them to an FAA website.

5/27/15

AC 00-56B

TABLE 1. FAA ACCEPTABLE ORGANIZATIONS AND THEIR QUALITY SYSTEM STANDARDS

Quality System Standards Organization	Acceptable Quality System Standard (current revision required)	Title	Accreditation Organization
Aviation Suppliers Association (ASA)	ASA-100	Quality System Standard	List maintained by ASA www.aviationsuppliers.org
Transonic Aviation Consultants	TAC-2000	Aeronautical Parts Distributor Quality Assurance Standard	List maintained by Transonic Aviation Consultants www.transonicaviation.com
International Organization for Standardization (ISO)	ISO-9001	Quality Management Systems Requirements	Certification bodies accredited by International Accreditation Forum (IAF) accreditation body signatories (www.iaf.nu)
International Aerospace Quality Group (IAQG)	AS9100, AS9110, and AS9120 (EN9100, EN9110, and EN9120)	Quality Management Systems	List of organizations (certification bodies) is maintained on IAQG Online Aerospace Supplier Information System (OASIS) database website (www.sae.org/?PORTAL_CODE=IAQG)

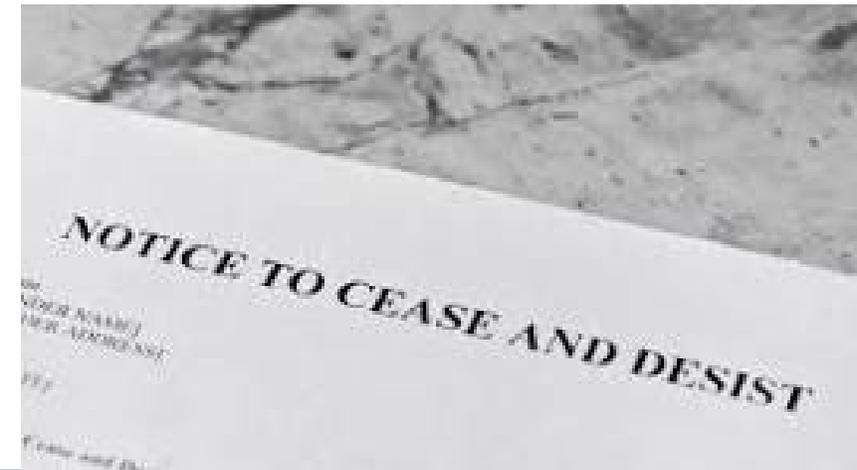
CAUTION: Quality organizations' contact information may change.



Federal Aviation Administration

Recent Events Surrounding an Accreditation Organization's Voluntary Termination from the Program

- After accomplishing an overview of an Accreditation Organization by the FAA earlier this year, The AMD sent the accredited organization an email recommending it cease operations effective immediately ...
 - Why?
 - ✓ This was based on the organization not following AC 00-56B, along with not wanting to work with the FAA to address the issues. They were also notified a termination letter would be following.



Events Surrounding the Accredited Organization's Voluntary Termination from the Program

- An FAA termination letter was emailed, and a certified letter was mailed to the once accredited organization.



- April 24, 2024 – The once accredited organization was removed from the program in conjunction with the changes associated with **Change 1** to AC 00-56B.



AC 00-56 B



U.S. Department
of Transportation
Federal Aviation
Administration

Advisory Circular

Subject: Voluntary Industry Distributor
Accreditation Program

Date: 4/26/24

AC No: 00-56B

Initiated by: AFS-300 Change: 1

1. PURPOSE OF THIS ADVISORY CIRCULAR (AC). This AC describes a system for accrediting civil aircraft parts distributors based on voluntary industry oversight. The AC also provides information for developing accreditation programs. We, the Federal Aviation Administration (FAA), strongly endorse participation in such a program to help certificated persons establish the eligibility of parts and products for installation on U.S. type-certificated products. We have revised this AC to meet current changes in regulatory requirements and industry practices since original publication. This AC is not mandatory and does not constitute a regulation. Any mandatory language used in this AC applies only to those who choose to voluntarily participate in this program; those who do choose to participate must follow the processes and procedures described in this AC in their entirety to be considered compliant with this program. The contents of this document do not have the force and effect of law and are not meant to bind the public in any way, and the document is intended only to provide information to the public regarding existing requirements under the law or agency policies.

2. PRINCIPAL CHANGES. This change removes Table 1, FAA-Acceptable Organizations and Their Quality System Standards. This information is now found on the FAA website at <https://www.faa.gov/aircraft/safety/programs/AC00-56>.

PAGE CONTROL CHART

Remove Pages	Dated	Insert Pages	Dated
Pages 1 thru 4	5/27/15	Pages 1 thru 4	4/26/24
Pages 6 thru 10	5/27/15	Pages 6 thru 10	4/26/24

Robert Ruiz for
Lawrence Fields
Executive Director, Flight Standards Service



Federal Aviation
Administration

AC 00-56B – Internal Review, Potential Changes, Revisions

- AC 00-56B (Change 1) is currently being reviewed by AFS-300 for potential revisions to:
 - ❑ Further clarify the duties and responsibilities of Flight Standards (AFS)
 - ❑ Further Clarify FAA expectations for:
 - ❑ Quality System Standards and
 - ❑ Accreditation Organizations when accrediting and auditing parts distributors.



AC 00-56 Changes/Revisions/Considerations

- Add further clarity for Quality System Standards and Accreditation Organizations when accepted by the FAA, and for termination.
- Consider suggestions received from our industry stakeholders.

- The list of current FAA-acceptable quality system standards and accreditation organizations is available at:

<https://www.faa.gov/aircraft/safety/programs/AC00-56>



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Suspected Unapproved Parts (SUPs)

- In FY24, the FAA has received approximately 64 SUP's reports to date.
- In FY24, AFS has investigated or is currently investigating 7 SUP's reports.
- AFS has no recent verified unapproved parts.
- Some SUP reports may be classified as “out-of-scope” due to the involvement of foreign entities, or insufficient information available for further investigating.



Suspected Unapproved Parts (SUPs)

- How to report SUP's?

- Complete **FAA Form 8120-11, Suspected Unapproved Part (SUP) Report**

- Mail a hard copy to:

**Federal Aviation Administration
Office of Audit and Evaluation
800 Independence Avenue SW
Washington, DC 20591**

Or

- Contact the FAA Hotline (<https://hotline.faa.gov/>)

U.S. Department of Transportation Federal Aviation Administration		SUSPECTED UNAPPROVED PARTS REPORT	
1. Date the Part Was Discovered:		2. Part Name:	
3. Part Number:		4. Part Serial Number:	
5. Quantity:	6. Assembly Name and Number: Name: Number:	7. Aircraft Make & Model: Make: Model:	
8. Name, Address, and Description of the Company or Person Who Supplied or Repaired the Part:			
Name:		Street Address:	
City:	State:	Zip Code:	
Country:		Phone Number:	
Check One of the Following Applicable to the Company or Person Who Supplied or Repaired the Part:			
<input type="checkbox"/> Air Carrier - Certificate #	<input type="checkbox"/> Supplier	<input type="checkbox"/> Production Approval Holder	
<input type="checkbox"/> Mechanic - Certificate #	<input type="checkbox"/> Repair Station - Certificate #	<input type="checkbox"/> Manufacturer	
<input type="checkbox"/> Distributor	<input type="checkbox"/> Owner/Operator	<input type="checkbox"/> Other	
		<input type="checkbox"/> Unknown	
9. Description of the Issue: (attach additional sheet if necessary)			



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SUP Example

Background:

- The reporting individual alleges that a Litton Navigation Unit, identified as part number (PN) 463001-7130-0506, serial number (SN) 1288 failed several tests (SUP).
- The reporter identified that the same PN and SN was previously serviced in February 2022, by the reporter (authentic part).
- The circuit cards and placard numbers were recorded in February from the unit serviced and when it came back to be serviced, none of the numbers matched from the previous visit.
- When the unit was received by the reporter, it had tamper-resistant seals that were installed by another entity (Company A).



SUP Example

Investigation Results:

- The owner of the unit purchased it from a parts broker, the parts broker purchased it from “Company A” who purchased it from a former employee. The former employee purchased the unit at an aviation swap meet.
- Company A knowingly purchased an LTN-92 unit from a former employee without any historical documentation and attempted to repair the unit.

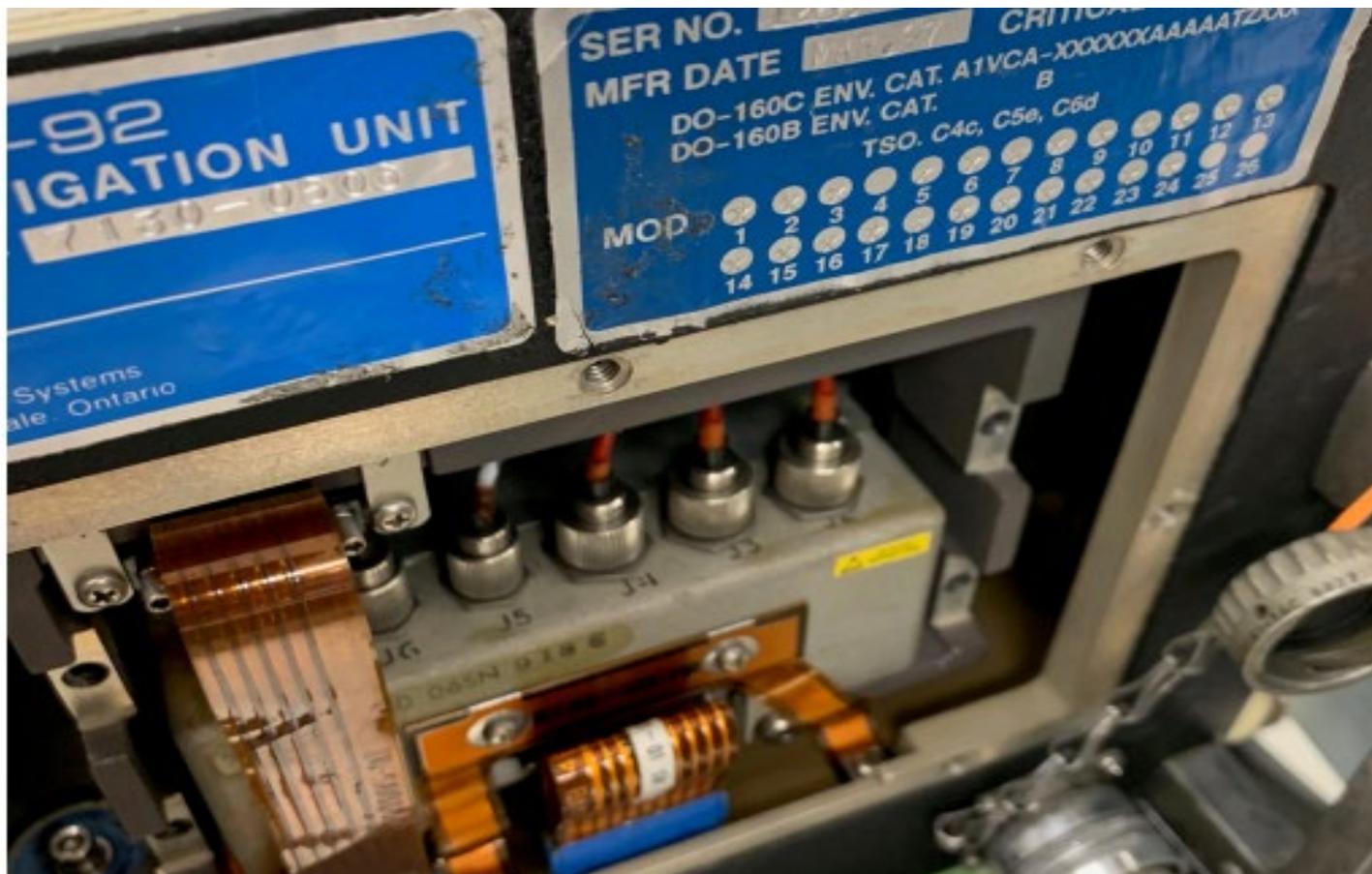


SUP's Investigation Results

- Company A then removed the original data plates from the unit, fabricated, and installed fraudulent identification plates on the part before selling it.
- The FAA tagged the unit as “Unapproved Part” “Unit To Be Destroyed”.
- The case was referred to the Office of Inspector General (OIG)



LTN-92



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Other Trends in Suspected Unapproved Parts (SUPs)

Part Markings

- Appear darker than OEM
- Have Texture
- Misspelled “Aerospace”



Other Trends in Suspected Unapproved Parts (SUPs)

Counterfeit



Real



Trends in Suspected Unapproved Parts (SUPs)



SUPs involving AOG Technics LTD

- Numerous SUPs from AOG Technics LTD based in the United Kingdom
- CFM56 and CF6 engine parts with intentionally falsified Authorized Release Certificates
- FAA issued Unapproved Parts Notification (UPN) No. [2023-AAE-EHL-20230801-713](#)
- The FAA has increased audits of accreditation organizations and accredited distributors under the AC 00-56B *Voluntary Industry Distributor Accreditation Program*



News - Counterfeit Parts...It's a Thing!

- **AOG Technics Ltd., a little known UK distributor of spare aircraft parts, was accused of selling thousands of components backed by forged documentation, prompting a global race by airlines to track down suspect parts.** Feb 22, 2024 Bloomberg
- **FAA investigating how titanium parts with falsified records wound up in Boeing and Airbus planes.**
- **Fake-parts scandal pushes aviation giants to rethink safeguards** By: Ryan Beene | Feb 22 2024 at 08:50 AM | [Air Cargo](#)
- **Counterfeit Components Ground Airlines** By [David Shaff](#) | December 12, 2023
 - **American Airlines, Delta, and Southwest Airlines are among the companies experiencing pain due to counterfeit parts entering the supply chain.**



Thank You For You Attention



- **The policy office for part 147 rulemaking, policy, and guidance is:**
 - Office of Safety Standards, Aircraft Maintenance Division (AFS-300). Division
 - ❖ Manager: [Jackie Black](#) – [Chris Parfitt](#) – Acting
 - Airman and Special Projects Group (AFS-320), Manager: [John “Jay” Hiles](#)
 - Airmen Section, Section Manager: [Kevin Morgan](#)
- **Division Email: 9-AWA-AFS-300-Maintenance@faa.gov**



Questions





Safety Management System (SMS)

Formal, top-down, organization-wide approach to managing safety risk and assuring effectiveness of safety risk controls

✓ Rule published April 26th, 2024

- §21 Manufacturers
- §91.147 Air Tour Operators
- §135 Commuter and On Demand
- §121 Air Carriers



SMS - Congressional Legislation

An SMS adopted under this section must contain:

- A Confidential Employee Reporting System that includes non-punitive provisions through which employees can report hazards and safety concerns. The confidential employee reporting system must be implemented in a manner consistent with other voluntary reporting programs administered by the FAA Administrator
- Code of Ethics, emphasizing safety as the highest priority for a manufacturer's management and its employees

