



Aviation Supply Simparing Stresser

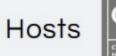
May 2025



















HK A

Aviation & Space Capabilities - Global Dispute Resolution

From ground-based infrastructure and operations, aviation engineering, airworthiness and flight operations, our industry-leading expert witnesses provide specialist knowledge and experience to advise, understand and resolve disputes.

We cover all aspects of airports, heliports, vertiports, spaceports and associated services. This includes air traffic control and all aspects of airside, landside and terminal operations. HKA's technical expert team provides the specialist disciplines needed to resolve all types of disputes across these complex operating environments.

We work alongside HKA's construction, quantum, delay and damages experts as required, to provide a comprehensive multi-disciplinary expert solution.

The highly regulated aviation environment requires the very best aviation experts with global experience to decode technical complexities in disputes.



















What happens if explosive devices are remotely detonated on board an aircraft or at an airport ?

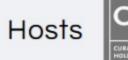


Recently numerous pagers and walkie talkies were interfered with in Lebanon. They appear to have been booby trapped – perhaps on a timer or remotely detonated. Explosions involving these types of devices could have had several significant impacts on aviation operations.

How does a counterfeit part enter the aviation supply chain?



Aviation fraud has been in the spotlight, including criminal investigations of airport parts suppliers. The supply of aircraft parts has also faced attempts to circumvent economic sanctions imposed by countries.

















Unexplained Components

Lebanon – Sept 2024

Walkie Talkies and Pagers

Denmark – May 2025

Energy Equipment Supplies

USA – May 2025

Rogue Communication Devices

ICAO Annex 17 – Security Management ICAO Annex 19 – Safety Management















Orders placed online







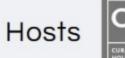




Swiss Cheese Model and Aviation Safety

- Widely recognized framework in aviation
- Visualises human systems in layers
- Each slice is a defence

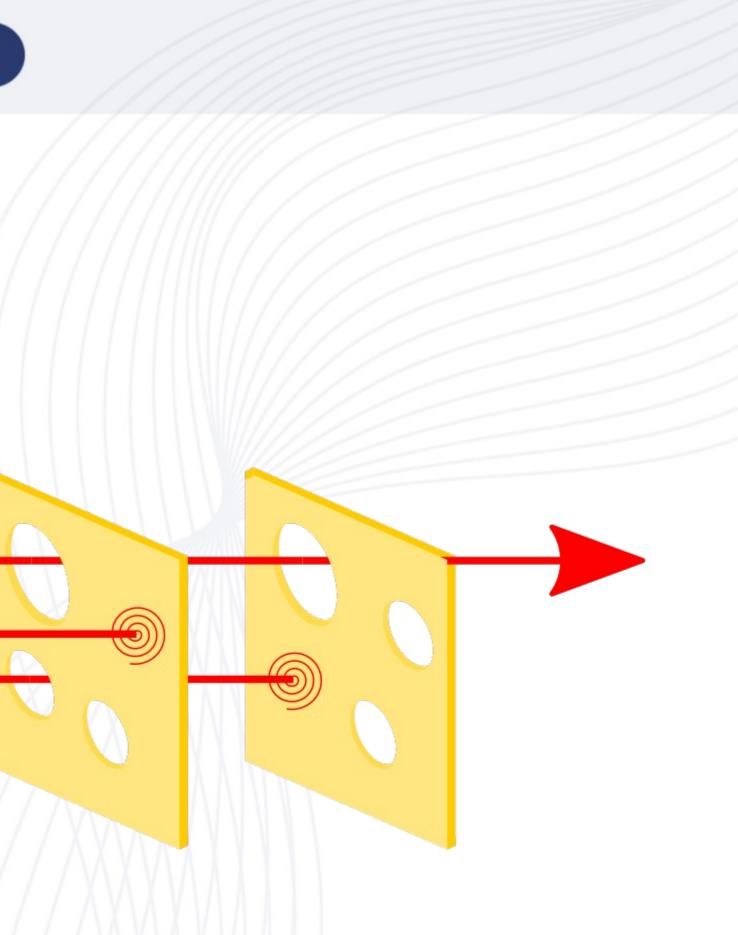
Trajectory of Incident Opportunity















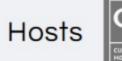


Mitigating the Risks

SeMS

Security Management Systems

Annex 17 and Annex 19 GAP Analysis

















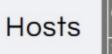
Counterfeit Products

May 2025













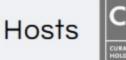
How does a counterfeit part enter the aviation supply chain?

In today's aviation market, there are pressures on the supply of parts in the secondary parts market;

Recently aviation fraud has been in the spotlight, including criminal investigations of airport parts suppliers.

In addition, the supply of aircraft parts has also witnessed attempts to circumvent economic sanctions imposed by countries.













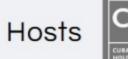






Counterfeit **Products**





 ΔF











Causal Factors











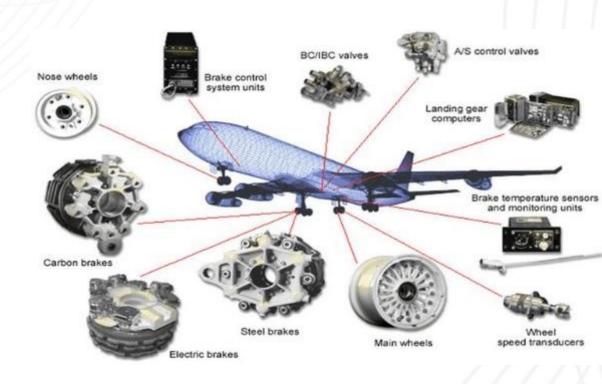






Counterfeit Swash Plate Support





Standard Hardware EVEN STANDARD PARTS LIKE THESE ARE COUNTERFEITED INSPECT BY USING THE STANDARD TO ENSURE CONFORMITY TO THE PUBLISHED STANDARD











Making OLD Parts Look Like NEW









The FAA has resorted to buying parts on eBay because its equipment is so old, Transportation **Secretary Sean Duffy says**

Sasha Rogelberg 12 May 2025 · 5-min read















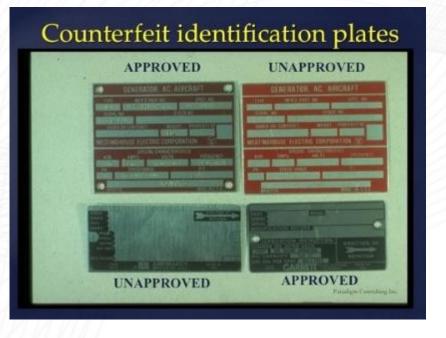


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How does a counterfeit part enter the aviation supply chain?



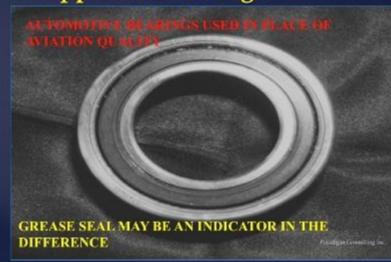


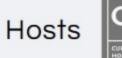


Unapproved Repairs









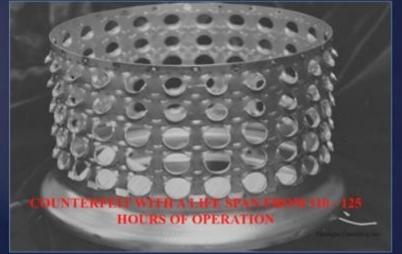








Counterfeit Combustion Liners



Unapproved Bearings

Counterfeit Logos



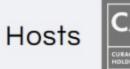






Sanctions and Tariffs

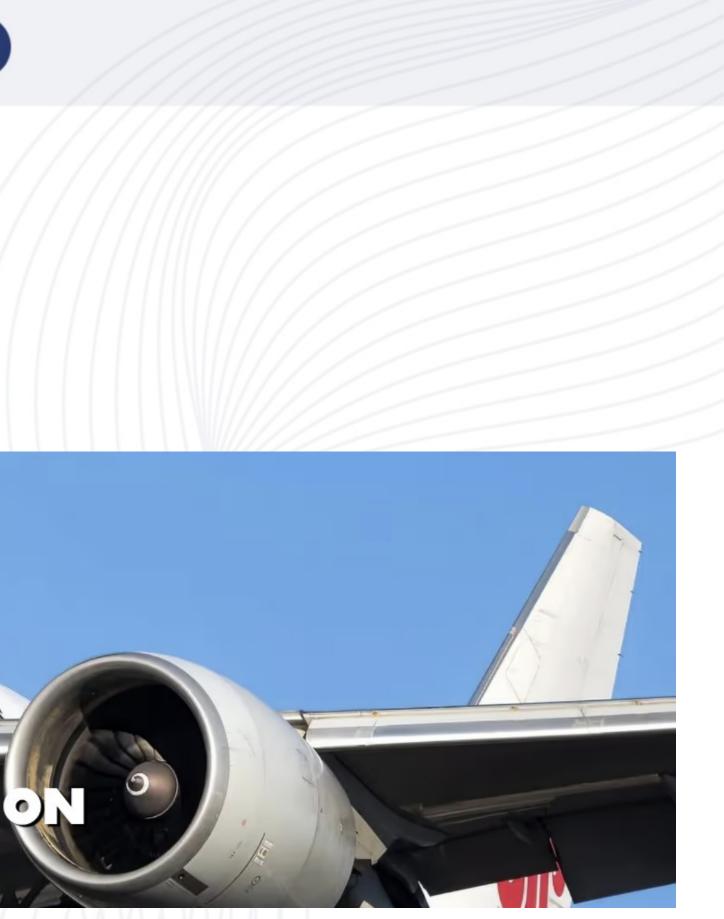
CO THE IMPACT OF US TARIFFS ON GLOBAL AVIATION

















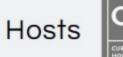
Winds of Change?

AOG Technics: UK fraud body makes arrest in aircraft parts probe























Knowing what is Real or Fake



















Simon Dean McCarroll & Ross Priday HKA Global Ltd

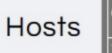
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WILLEMSTAD,

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