

RE tire

REsale

AIRCRAFT FLEET RECYCLING ASSOCIATION





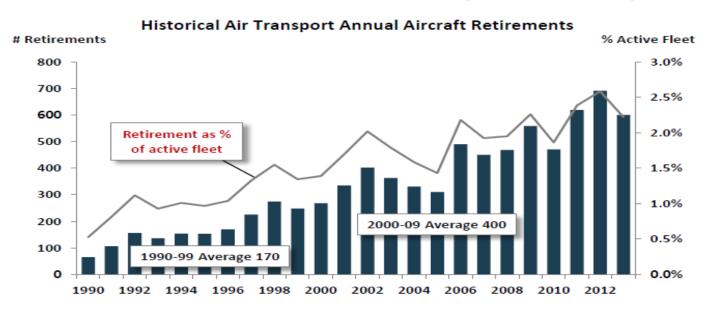


Agenda

- → Why are industry standards important?
- → How can you work with us.



Retirements are growing



There is both opportunity and risk associated with this trend



Sustainable management is critical.

Safety

- Worker safety: Training and proper tools are must be used.
- Airworthiness: Parts removed from end-of-service aircraft will go back into service.

Environmental

- Highly valuable recycling of metals and other recyclables.
- Proper disposal of interiors, non-recyclables, etc.
- Responsible Hazardous material handling & disposal
- Ensuring stakeholder environmental stewardship continues at end of service.



The solution is simple:

- √ industry standards;
- √ accreditation to standards



How can you support best practices?

- Become a member of the Aircraft Fleet Recycling Association
 - Stay informed on industry best practices and regulatory activities
 - Help set the standards in the future.
 - Support responsible end of service solutions.
- Contract with AFRA accredited disassemblers and recyclers.
 - Companies are audited regularly and must adhere to minimum standards.
 - Shows concrete commitment to industry standards.
 - Ask for accreditation in Request for Proposals or Tender offers.



What is AFRA?

Membership-based global collaboration to elevate industry performance & increase commercial value for end-of-life aircraft through:

- Safety
- Environmental Responsibility
- Business Practices
- Technology Advancements
- Regulatory Engagement



What is AFRA?

Accreditation

Disassembly –

Management of Used Aircraft

Parts & Assemblies

Recycling of Aircraft Materials

Industry Development

- Education & Knowledge Exchange
- Regulatory Affairs
- Communications
- Member Conference
- Technology R&D



Members from 19 countries

Brazil

Canada

Cayman Islands South Africa

China

France

Germany

India

Italy

Japan

Luxembourg

Netherlands

Spain

Switzerland

Turkey

United Arab Emirates

United Kingdom

United States





Accredited Companies

































Orange Aero





















Members from across the value chain























































































What are Best Management Practices?

Best Practices

approximately 45 requirements specified in the BMP

Practice Guides

multiple suggestions on how to meet each requirement

Minimum performance standards

minimum required to pass audit

Facility audits & AFRA Accreditation

additional support & guidance



Accreditation covers:

Disassembly Management of Used Aircraft Parts & Assemblies

- Published 2006
- 18 accredited companies*

Recycling of Aircraft Materials

- Published 2012
- 9 accredited companies*



Operational Focus:

Facility

- Location Characteristics
- Security
- Staging & Segregation Areas
- Inventory Accounting & Audits
- External Transportation of Materials

Documentation & Records

- Asset Transaction Records
- Material Transaction Records
- Reference Manuals
- Parts & Materials Identification & Tagging
- Requirements



Operational Focus

Parts Management

- Screening, Tagging & Staging
- Crating
- Shipping

Recycling & Environment

- Jurisdictional Accountability
- Secure Materials Receiving, Segregation,
 Storage & Recycling Areas
- Material Hazard Evaluation
- Labeling & Storage Profiling
- Spill Prevention and Containment Plan
- Material Accountability



Thank You!

Improper Disposal



Some of the airliner parts and safety cards at the centre of the tipping mystery.

By Stewart Ross

Fly-tipping usually involves someone's old kitchen or tyres—not bits of a Boeing 737.

But that is the mystery being investigated by the Scottish Environment Protection Agency after airliner debris was found scattered on waste ground near Methil docks.

At first glance it looked like a case for the Air Accident Investigation Branch after parts of aircraft seats, oxygen masks, wrecked electronic gear and even parts of wing or fuselage were found near by the sea wall not far from No 3 Dock.

The debris was spotted by Fife Council environmental warden Ian



Handling Hazardous Materials

- Chromated Paints
- Fuel
- •Oil

Inquiry into missing depleted uranium in Ostend



by Alaa Hope,

Recent articles: Face of Flanders: Norbert Verswijve

SUMMARY

Substance was found in waste container and scrap yard after being removed from decommissioned planes

Prosecutor awaits outcome

The Federal Agency for Nuclear Control (FANC), which looks after the safety of civilian nuclear mater Belgium, is to carry out an investigation into a quantity of depleted uranium (DU) which went missing time from the airport at Ostend last week. The DU was being removed from two decommissioned Bosaircraft. The missing DU was later accounted for and the FANC said there had never been a danger to human health or the environment.

Uranium ends up with scrap metal dealer





o Sun 22/12/2013 - 10:13 🙎 Colin Clapson

Belgium's Federal Agency for Nuclear Control (FANC) has provided