

## Cargo Sub Committee

### CABIN / CARGO COMPARTMENT IMAGE RECORDERS (2CIRs)



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Safety Manager**

# WHY ? – AIR PIRACY

Period

No. of Incidents

Fatalities

4

266

Examples:

FEDEX DC.10

0(3)

11.09.01

AA 11 B 767 WTC. NY

92

11.09.01

UA 175 B767 WTC. NY

65

11.09.01

AA 77 B757 Pentagon Wa.

64

11.09.01

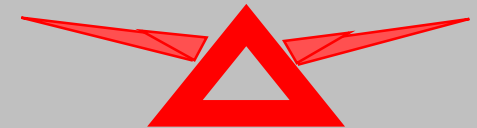
UA 93 B757 Shanksville.Pa

45



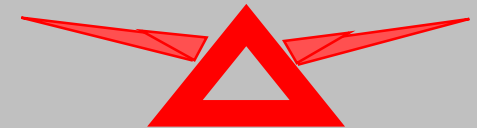
# WHY MUST WE DO SOMETHING?

- Pilots and Cabin staff are not trained as Soldiers or Policemen, and should not be expected to react nor used as such – but some protection is required
- Flight Attendants and Passengers cannot be expected to testify against violent thugs
- ICAO Rules clearly state that drunken passengers are a danger to the flight
- Local Police attitudes vary from country to country
- Stories told by witnesses vary
- Ejected passengers have threatened to take legal action against the airline
- 11 September 2001 – Air Piracy attacks on New York, Washington and Pa.



# CCTV – public acceptance

- Closed Circuit TV monitoring is now widely accepted
- Used every day in city centres, shopping malls, and airports
- An acceptable way of controlling crime
- TV pictures used in court need little back up from witnesses
- Overt CCTV Systems form a potent deterrent to the would-be thug
- Cargo has areas that could also use CCTV to very good effect
- Public and Government demand and call after 11 September 01



# WHEN AVAILABLE ?

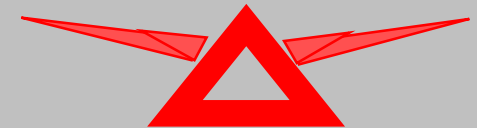
NOW !

ANYONE DOING IT ?

- US Military KC 135 Tankers for the Fuel Boom
- US Military Program – Airborne Laser
- Civil Use – Corporate Operators – BBJ - LHT Hamburg

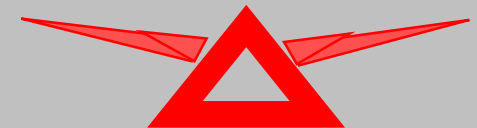
ANYONE ELSE INTERESTED?

- FEDEX
- Swissair: - 19 MD-11s in attics, First class pax & galley areas and A & E compartment - then all 57 Airbus fleet.



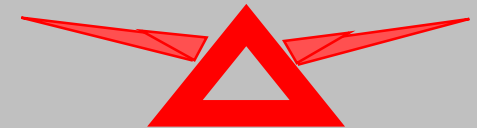
# FOR THE PILOTS and CREWS – THE ADVANTAGE

- A PROACTIVE system that provides information that is lacking today.
- Safeguards the cockpit crew from likely incapacitation during Main Deck smoke and fire inspections.
- Aid in preventing an Incident from becoming an Accident.
- Reassures Cabin crews that they are not alone.
- Overt Cabin cameras could serve as a deterrent.
- A covert camera guarding the entry area of an armoured cockpit door, relayed to a MFD in cockpit. Door unlocked by remote electronic bolts operated by pilots.



## EXECUTIVE SUMMARY – CONs

- DETRIMENTAL IF COCKPIT CAMERA RESEARCH DETRACTED FROM MOUNTING THEM BEHIND THE COCKPIT DOOR
- COCKPIT CAMERAS
  - WHOLLY REACTIVE
  - LITTLE OPERATING ADVANTAGE TO ACCIDENT PREVENTION





## EXECUTIVE SUMMARY – PROs

- The Installation of 2CIRs in ALL Cabin and Cargo carrying areas would provide:
  - VITAL PROACTIVE INFORMATION INTO COCKPIT
  - ENHANCES THE DECISION MAKING PROCESS
  - INCREASE SECURITY WITH A HIGHER DEGREE OF AFFORDABLE SAFETY IN ALL EQUIPPED AREAS

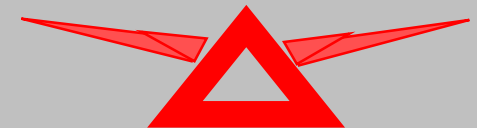


# THE UKFSC CARGO SUB COMMITTEE – THE GOAL

## RECOMMENDS

**The eventual mandatory requirement would exist for the fitting of Video Imaging equipment in Cabin and Cargo Carrying Areas for the**

**increased security and safety of commercial transport.**



# AUTHOR'S DETAILS



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