Halon Out Of Specification

- Background
- Status
- References
Background

Issue

- Suspect contaminated Halon 1211 and 1301 delivered to industry.
- Contaminated in the sense that does not fulfill purity level per specification
- This Halon may have been used for aviation fire fighting equipments and installed on aircraft:
  - Handheld fire extinguishers
  - Engine, APU and Cargo fire extinguishers
  - Lavatory fire extinguisher (not affected)
Background

-Origin

- A UK-based company is suspected to have delivered Halon of variable purity to several companies involved in aviation fire extinguishing equipment overhaul and/or manufacturing
- Customer database gives around 15 companies potentially affected
- Quantities involved: ...considerable from raw data...
European Aviation Safety Agency

Status

EASA Communication

- SIB release
- To confirm to be in reception of Halon;
- To confirm use of Halon for Aviation;
- To confirm condition of Halon received (i.e purity test);
- To identify and locate where Halon had been dispatched;
- To provide support for potential fire extinguishing efficiency test
- To report to EASA (TD 20 Nov 2009)

EASA Letter
To Companies potentially affected

- Evaluation of deviations (Toxicity – Fire extinguishing efficiency);
- Identification of quantities involved
- Fleet impact;

Safety Assessment

- Mandatory corrective actions (if necessary)
- SIB update

CAA-UK report
To EASA

ON-GOING
Status

Preliminary Information

‑ Halon 1301: most likely out of any in-service corrective actions;
‑ Halon 1211:
  ‑ seem to be concern, especially for toxicity aspects.
  ‑ Likely to have forced in-service corrective actions
References

✈ Airworthiness Communication from CAA-UK
   ✧ AIRCOM 2009/13, dated 12 Oct 2009

✈ Flight Ops Communication from CAA-UK
   ✧ FODCOM 30/2009, dated 12 Oct 2009

✈ Safety Information Bulletin from EASA
Conclusion

- Large amount of data requiring verification;
- Feedback coming slowly to the agency;
- Safety assessment may require further testing and industry support;
- To date, no indication to warrant an Airworthiness Directive (AD) action for Halon 1301;
- Upon Unsafe condition identification, for Halon 1211, EASA may take further action (AD).