



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)**



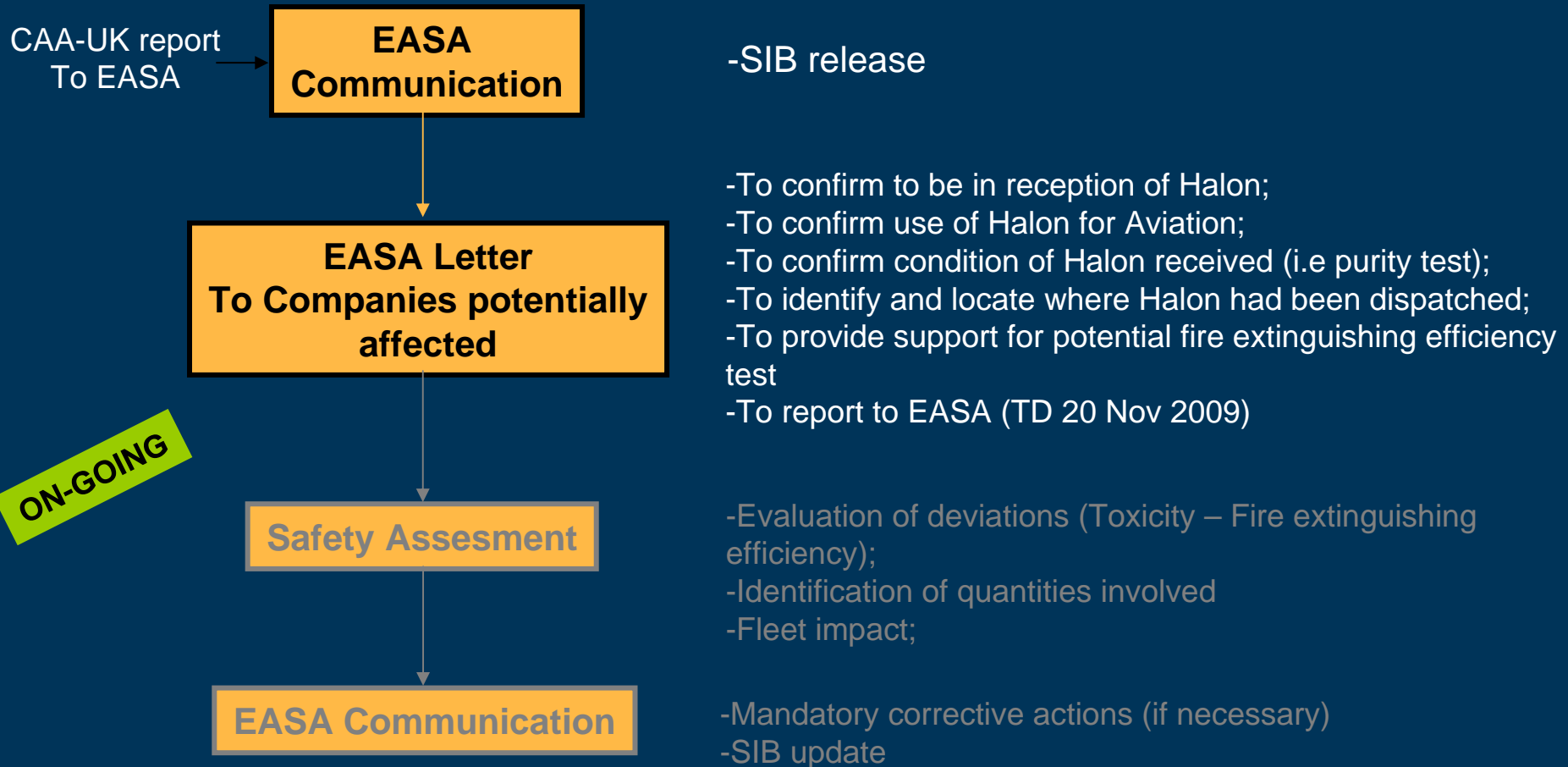
Background

✈️ 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...



Status





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**
 - ✦ SIB 2009-39, dated 23 oct 2009



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).