Published July 2012

Writing the Final Report

Mexico

Final Report

On the accident on 1st June 2009 to the Airbus A330-203 registered F-GZCP operated by Air France flight AF 447 Rio de Janeiro - Paris

July 2015





Purpose

- Foundation for initiating safety actions
- Establish in detail:
 - what happened
 - how it happened
 - why it happened
- Findings and causes lead to safety recommendations
- Guidance material:
 - ICAO Doc 9756, Part 4 Manual of Aircraft Accident and Incident Investigation



Principles

- Thorough investigation is needed
- Drafted by the investigators
- Editing by at least 2 investigators:
 - read sentence by sentence
 - each section at least 2 times



Editorial Standards

- Convey an attitude of impartiality and write objectively
- Clarity
- Consistency
- Active and passive voice
- Tone of expression
- Commonly used language



Final Report Format (Annex 13)

- Factual information
- Analysis
- Conclusions (findings and causes)
- Safety recommendations



Final Report Format (Annex 13)

- Keep facts in the factual part
- Keep the provisions of Annex 13
 Para. 5.12 and Attachment E in mind
- Do not introduce new facts in the findings or safety recommendations
- Appendices: include only pertinent information



- Factual information, use the headings
- Human factors information integrated throughout report
- Description of all events and circumstances
- The how it happened, avoid the why



- History of flight
- Injuries to persons
- Damage to aircraft
- Other damage
- Personnel information
- Aircraft information



- Meteorological information
- Aids to navigation
- Communication
- Aerodrome information
- Flight recorders
- Wreckage and impact information
- Medical and pathological info



- Fire
- Survival aspects
- Test and research
- Organizational and management info
- Additional information
- Useful or effective investigation techniques



Analysis

- Analysis, to be determined by the IIC
- The factual information is discussed and analyzed
- Purpose to provide logical link between factual info and conclusions
- Formulate hypotheses discuss & test reasons why rejected or accepted



Analysis

- Contradictory evidence dealt with openly and effectively
- Discuss safety deficiencies even if not contributory
- Could use sub-headings as per groups



Conclusions

- Findings
- The "what" happened
- Causes/contributing factors formulated to minimize implication of blame or liability
- Focus on functions not performed
- Probable cause and contributing factors



Safety recommendations

General or specific

- Implementation by CAA, operators or manufacturers
- Overall responsibility of the aviation system is with CAA
- Safety recommendations to ICAO AIG website



Consultation on draft Final report

- To States that participated
- Provide 60 days comment period
- May amend report or append comments
- Final Report must be released (made public)
- Interim statement released annually in case investigation not concluded



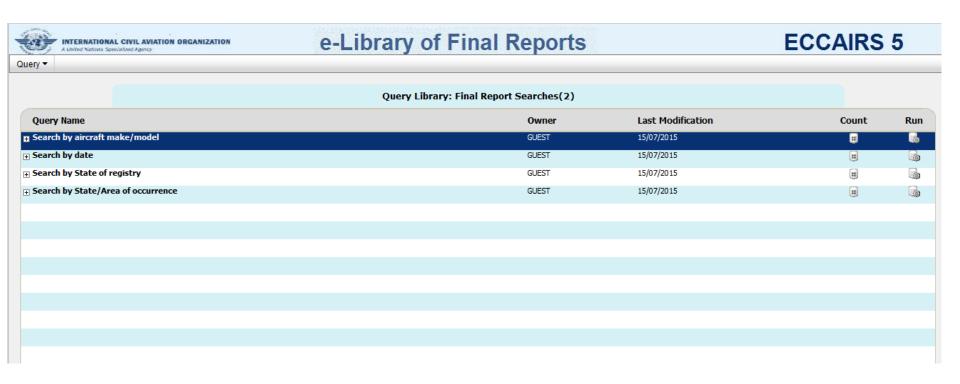
Final report to ICAO

 When Final Report released of accident or incident of aircraft above 5 700 kg MCTOM

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Thank you

AVIATION INVESTIGATION REPORT

Questions?

