

ABSTRACT

When an airplane gets an accident, the investigator is going to look for all victims and a black box. Black box records all important information that happens during the accident. Those two things are the main step that has to be done. But if it does in the same time, then it will disturb the investigation. That is why it is necessary to minimize that work.

This research will discuss about analyzing data that is established in the black box, that is Cockpit Voice Recorder (CVR) and Flight Data Recorder (FDR) by applying a compression method to make both of them get into transmission with on demand. This way is probably to present the data without has to find the black box. It will make the investigator easier on the evacuation process.

Hopefully this research will help to reduce the risk on the process of finding the airplane accident and its victims. The aim of this research is to make data representation in simulate way and make the investigator easier to find the black box in the airplane accident.

Keywords: Black Box, Cockpit Voice Recorder, Voice.