



ANALYSIS OF WEATHER RADAR IFS
IN THE AIRCRAFT

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In the name of Allah,
Most Gracious, Most Merciful

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ABSTRACT

This thesis presents an approach for analysis of weather radar 1FB in the aircraft use by our military. This sort of radar finds widespread usage in detection weather or terrain. Radar is an acronym for Radio Detection and Ranging. This thesis contains a system features that describes weather radar function and the method to analyse the system. Its also contain method that has been approach by tradesmen and vendor to determine the system functionality. This sort of radar finds widespread usage in detecting weather and also detection of incoming aircrafts or ground objects. Visual basic are used to determine power reflected back to the aircraft. System component described the component function in the aircraft that play a major role, which make the task can be achieved. A problem of great interest in this matter is to determine the element that is needed to describe this type of radar.

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CHAPTER 1 : INTRODUCTION

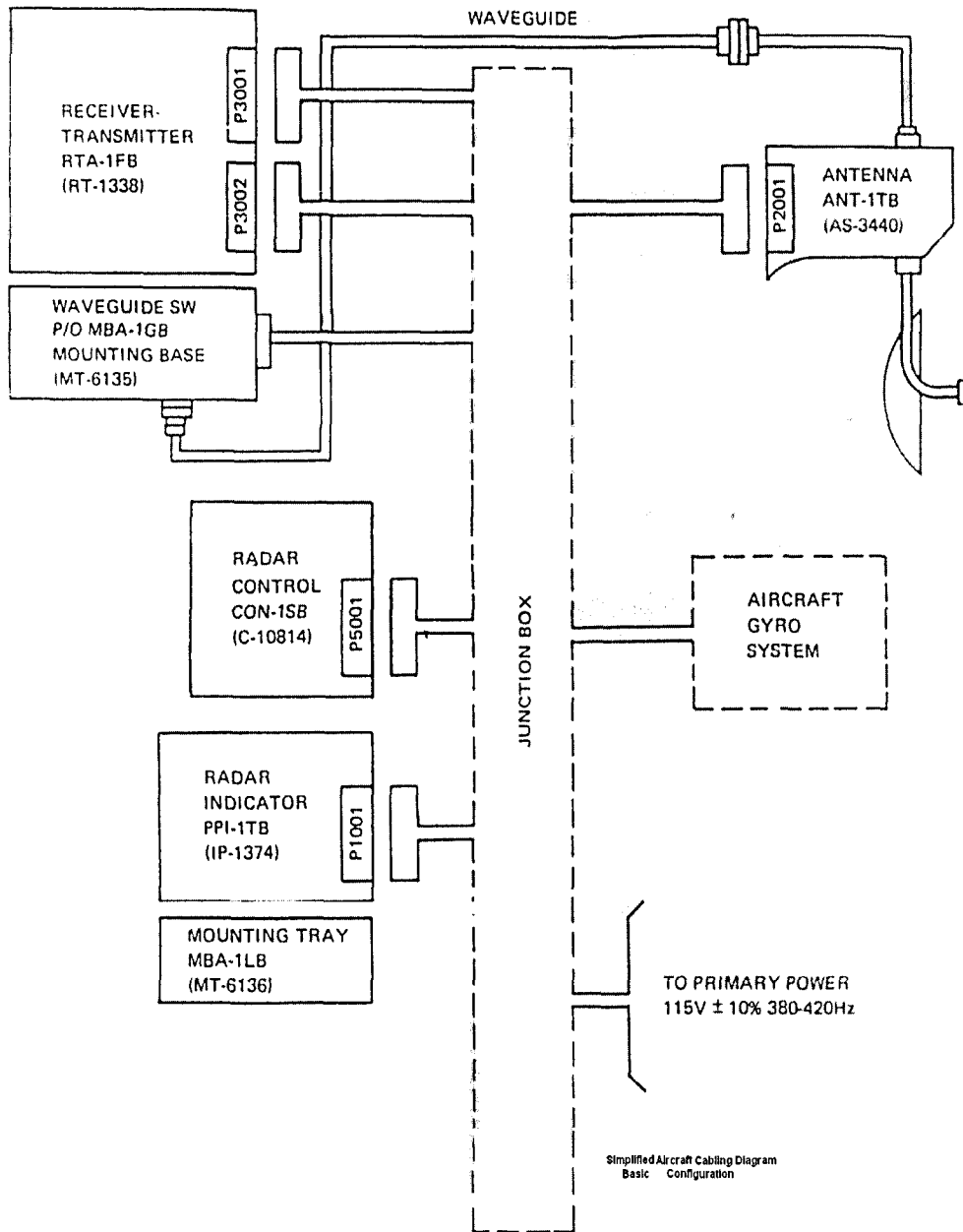


Figure 1: System block diagram

Weather radar 1FB has been use of many aircraft and C130H Hercules is the one of the aircraft. Purpose of the equipment as a terrain mapping radar, the radar defines and displays different types of terrain features, such as: coastal (prominent points, bays and islands) city target complex and prominent mountainous terrain. The radar system