

ABSTRACT

PT. Avioelecraft Indonesia is one of aerospace consulting company in Indonesia in the aircrafts avionic design. In the process to assembly the existing wires in aircraft, the process started from design to finalize become a reports then will be used by the customer and flight engineer as an assembly guide. The complex problem will be happened when the design has been processed into a report and to be given to the customer, such as the failure of calculation and determination of elements used. If an error occurs, the troubleshooting process will take a very long time because the engineer must perform tracing one by one each in the system of the assembled elements.

To handle the above problems, PT. Avioelecraft Indonesia needs an integrated system to support the company's business processes, Wiring Information Release System (WIRS) is a solution of these problems. Wiring Information Release System will be developed by using the model of the waterfall method. Analysis and design of the system using a structured approach (conventional) and a website as its interface. Then the system will be tested by the model of alpha with blackbox method and beta by giving questionnaires to the respondents.

The results of the wiring of information release system which has been made are able to shorten the cycles time, due to the computational process of electrical system and avionics design are integrated with each other, started from the design process to become a several reports and given to the customer. The systems can also minimize the repeatedly normal activity. In addition, companies can easily manage the data so that it becomes more optimal and efficient.

Keyword: Waterfall, Convensional, Computation