

Estimator Apos S Equipment Installation Man Hour

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The purpose of the test was to determine man's capability to visually detect, recognize, and estimate range to low-altitude aircraft. Twenty-seven Army enlisted men served as observers. The results indicate that man can detect and recognize low-altitude aircraft at a considerable range under near-optimum field conditions. The value of binoculars for aircraft detection was found to be dependent upon (a) observer offset from the aircraft flight path, (b) accuracy of early warning, (c) aircraft speed, and (d) exhaust smoke trail characteristics of the aircraft. Under the test conditions employed, binoculars reduced the detection range on the most potentially threatening targets, high-speed, head-on jet aircraft. The data show that large range estimation errors occurred. Filmed simulation of the recognition task appears promising as a training tool.

Departments of Commerce, Justice, and State, the Judiciary, and Related Agencies
Appropriations for 1982 Hearings Before a Subcommittee of the Committee on Appropriations,
House of Representatives, Ninety-seventh Congress, First Session Approved Revenue,
Recurrent and Capital Estimates The Performance of Ground Observers in Detecting,
Recognizing, and Estimating Range to Low-altitude Aircraft

The full texts of Armed Services and other Boards of Contract Appeals decisions on contracts appeals.

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