The effect of jamming / deception on decision making

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Résumé ou extrait : The present experiment examined the capability of developing a simulation methodology for assessing the effects of Command, Control, and Communications CounterMeasures (C3CM) on a human operator. Primarily, the effects on human information jamming and deception were applied against a key decision maker in a simulated, air defense, C3 system were assessed. The man-in-the-loop simulation provides real human operator data and a methodology to assess human operator performance. The subjects' performance exhibited trends from which certain strategies were assessed. Results indicated that operator uncertainty and loss of confidence in ambiguous situations did not exist. Specifically, the subjects relied on the most timely information channel. Performance was worse when that channel was jammed. Also, the condition that degraded performance the most was when the most timely channel was jammed and the most precise channel contained deceptive information

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