

1. Record Nr.	UNINA9910695368303321
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Titolo	Color and visual factors in ATC displays [[electronic resource]] : final report // Jing Xing
Pubbl/distr/stampa	Washington, D.C. : , : Federal Aviation Administration, Office of Aerospace Medicine Ft. Belvior, VA : , : Available to the public through the Defense Technical Information Center Springfield, Va. : , : Available to the public through the National Technical Information Service, , 2006
Descrizione fisica	i, 15 pages : digital, PDF file
Soggetti	Airports - Traffic control - Display systems Color display systems - Psychological aspects
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Title from title screen (viewed on Sept. 27, 2006). "June 2006." "DOT/FAA/AM-06/15."
Nota di bibliografia	Includes bibliographical references (pages 14-15).
Sommario/riassunto	This study investigates color use in air traffic control (ATC) facilities to understand the ways color is being used, the associated benefits, and its influence on task performance. It was found that, while color use has some advantages for information processing, such as reducing workload and saving time, it also has disadvantages and may introduce negative effects in task performance. The benefits of color use were identified, and rationales were provided for how to use color properly to optimize those benefits. The negative effects of color use with respect to associated cognitive factors were analyzed, and two checklists that evaluate advantages and negative effects of color use in ATC displays were derived which can be used for design prototypes and acquisition evaluation.