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Effects of Supervisory Train Control Technology on Operator Attention (Paperback)

By U S Department of Transportation

Createspace, United States, 2013. Paperback. Book Condition: New. 279 x 216 mm. Language: English . Brand New Book ***** Print on Demand *****.This report describes an experiment evaluating the effects of supervisory control automation on attention allocation while operating a train. The study compared two levels of supervisory control (partial and full) to manual control, in terms of how it affects vigilance detection and situation awareness. Human performance was measured using a human-in-the-loop train simulator. To evaluate vigilance, participants were asked to detect two types of automation failures and react to obstructions on the track. Situation awareness was measured using the Situation Awareness Global Assessment Technique (SAGAT) in which the simulation was suspended at periodic intervals and the subjects answered questions about the system. These answers were compared to objective measures of system performance.



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Reviews

Very useful to all category of men and women. I actually have study and i also am certain that i am going to going to read through again once more down the road. Its been written in an exceptionally simple way and is particularly only soon after i finished reading this publication by which basically altered me, modify the way in my opinion.

-- **Dr. Sarai Fisher DDS**

It in one of my personal favorite publication. It is actually rally fascinating through reading through period of time. Its been printed in an extremely basic way in fact it is just after i finished reading through this ebook by which basically transformed me, change the way in my opinion.

-- **David Weber**