

TITLE: New Technology for an Old Problem: A Report on a Prospective Study to Evaluate a Simulator-Based Approach to Driver Licensing

DATE: January 1993

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REPORT NUMBER: Unnumbered (NRN060)

NTIS NUMBER: None

FUNDING SOURCE: Departmental Budget (partially)

PROJECT OBJECTIVE:

To develop and present a cooperative strategy and research design for evaluating the use of the Atari Games Corporation (AGC) interactive simulator as an adjunct to traditional driver license road testing.

SUMMARY:

The report summarizes the drive task components to be included in constructing simulated driving scenarios, and the response modalities captured by the simulator. The paper also presents a research design for evaluating: (1) relationship between simulator performance and road tests; (2) relationship between simulator performance and accident rates; and (3) relationship between the preceding within age groups.

IMPLEMENTATION STATUS OF FINDINGS AND RECOMMENDATIONS:

The simulator is still under development, which has been delayed by numerous technical problems and corporate priority shifts and changes in ownership. The simulator and related patents were acquired by Doron in 1996.

SUPPLEMENTARY INFORMATION:

This paper was presented at the 1993 *Annual Conference of the Transportation Research Board*, January 12, 1993, Washington D.C.