

Heuristic Models Applied to the Assessment and Redesign of Light Rail Human Machine Interfaces

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Abstract: This paper describes the utilization of a heuristic tool for analysing the intrinsic complexity and usability of an HMI (Human-Machine Interface) of the on board information system embedded into the light rail CITADIS (vehicle manufactured by Alstom Transport). The usefulness of this tool is assessing early designs of this kind of equipment, prior to its implementation in a functional platform, or even in the rolling stock.

Keywords: Human Machine Interface, light rail, heuristic models, cognitive workload.
