

Study on the Introduction of Digital Technology for Collecting and Utilizing Accident and Near-Miss Reports

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Railway operators are increasingly using digital methods to collect information on accidents and near-misses, although such data are rarely disclosed. To promote the widespread adoption of digitalization, this study surveyed implementation cases through questionnaires and interviews. The investigation identified the types and prevalence of digital technologies, and operational practices, as well as their benefits. This paper reports on the current status of adoption, practical approaches, and effects revealed through these surveys.