

TECHNICAL TOOLBOX FOR ROAD RISK MANAGEMENT

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Abstract

PIARC technical committee on Risk Management for Roads (TC 3.2) is developing a technical toolbox, which is a database of useful technologies for risk management in each road management phase, i.e., planning, design, construction, operation (maintenance) and reconstruction., and consists of the inventory sheets and their appendix.

The inventory sheets are prepared to introduce the risk management technology used mainly in Japan to the developing countries, and the risk management technology/tools from different countries will be added to them. The inventory sheets aim to assist budgeting and road management with easy application of risk management technologies/tools.

The inventory sheets record the applicability (e.g., effectiveness and cost) of used individual technologies/tools of risk management and the perspective of technologies/tools for future use. They are divided into natural hazards management and man-made hazards management..

KEYWORDS: Risk Management, Inventory Sheet, Natural Hazard, Man-made Hazard