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SAFETY MEASURES – TOOLS FOR REDUCING THE COST OF WORKING ACCIDENTS IN ELECTRICAL INSTALLATIONS

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Abstract

An accident at work is a violent body injury and occupational acute poisoning that occur during the working process or in the performance of work and causing temporary work incapacity of at least 3 days, disability or death. The accidents at work can lead to suffering, disability and in the worst case can cause death, and affect the lives of workers, both at work and in the family. Quantifying the cost of an event that can be declared as working accident or occupational disease, may be done if are identified all the generated factors and their consequences are estimated. But it is extremely difficult to quantify the costs of victim suffering, of family, stress, self-confidence etc.

The identification of risk factors, analysis and elimination or reduction of these factors, allow estimating the cost of working accidents, being a tool for improving health and safety at work. This tool brings as benefit for businesses, a better labor market and a safer and healthier working environment for workers through taken prevention and safety measures and to reduce accidents and occupational diseases.

The case study report prepared under national legislation is based on real data and compares the cost of an accident resulting in death from electrocution and cost of occupational safety, respectively the protective measures that have been taken. Analyzing the work accident costs, it is found that the firm, the victim's family and the Romanian state organizations record significant losses (tens of thousands of dollars), losses that could have been invested.

Key words: accident, cost, equipment, installation, safety

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