

Abstract

Effective inspection scheme for workplace monitoring through unnoticed measurement

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Objectives: The ministry of employment and labor's enforcement program such as workplace monitoring inspection is one of the major public efforts to protect worker's health. Therefore, we need more effective inspection way for workplace monitoring, which is helpful to control health hazards in workplace.

Methods: For this study, we did investigate the related safety and health laws, regulations, and inspection guidelines of USA, United kingdom, Germany, Japan and Korea. We also analyzed the provisions of industrial safety and health act, which is related to enhance the reliability of workplace monitoring. And we took the process of opinion convergence through the experts meetings for our research.

Results: We proposed the efficient inspection scheme for workplace monitoring, which contains how to select companies (mainly randomized inspections by using workplace measurement database and workers' compensation insurance database), how to proceed of inspection process (mainly unnoticed visit), who to carry out this project, and how to estimate the effect of the unnoticed inspection for workplace monitoring.

Conclusions: We thought that our proposal for inspection of workplace monitoring could be very effective tool for reducing the numbers of companies that don't take a workplace monitoring, and could be getting more reliable monitoring results.

Key words: Workplace monitoring, Inspection, Unnoticed visit