

ABSTRACT

Title: Knowledge, Attitude and Practice on OSH among Exposed Telekom Malaysia Workers to Non-Ionizing Radiation

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Abstract:

Telecommunication industries workers especially who are in charge at transmission towers are highly exposed to non-ionizing radiation. Recently, there are many inquiries and concern on impact on non-ionizing radiation from telecommunication workers itself and public people. However, until nowadays, no scientific studies can prove the significant impact on prolong exposure to the high intensity of non-ionizing radiation. The objective of this research is to identify the knowledge, attitude and practice of OSH among workers who are exposed to non-ionizing radiation. These include the legal requirements pertaining to OSH, level awareness on risk of exposed to non-ionizing radiation and current work practices. Methodology used in this study involved data collection by distributing the questionnaires to TM workers at 16 hill stations and 4 earth satellite stations. Cross sectional study designs were used in this study. Self-administered questionnaire were used to identify the KAP level among respondent. Descriptive analysis such as Pearson Correlation test was used in this study. Data were analysed using SPSS software version 21.0. Result indicates that most of the respondents have adequate knowledge and positive attitude and practice pertaining to OSH except several workers due to multiple contributing factors. Data collection also proved that respondents have good understanding on OSH responsibilities which result to good attitude and practice. However, 67% of survey questionnaires related to knowledge and attitude and 73% related to knowledge and practice were determined not significant. This result was expected due to factor of lack of awareness on preventive culture, gender and working experience. Furthermore, employer which not emphasizing OSH implementation to workers expose to NIR has contributes to the result. By overcome this issue, employer will able to avoid unnecessary expenses such as loss of workers due adverse effect and legal prosecution cause by the exposure of non-ionizing radiation. The results of this study could be set as the benchmark of the level of OSH knowledge, attitudes and practices among exposed TM workers to non-ionizing radiation.

Keyword: Knowledge, Attitude, Practice, OSH, Telecommunication Workers, Non Ionizing Radiation