Collaborative Methodology for Ergonomics Management in Industry

Bruno Gomes Silveira Caldas¹, Lícia Maria Barreto do Nascimento¹

¹Industry Social Service Regional Department of Bahia (SESI DR-BA), Salvador, Bahia, BRAZIL.

Abstract

In recent decades, small and medium enterprises have faced several changes associated with the process of technological innovation and productive and organizational restructuring. Thus the new technologies and their impact on human labor have been approached from many angles, varying according to the areas of knowledge and the nature of the analyzed issue. Ergonomics has been requested, increasingly, to work on the analysis of productive restructuring, especially with regard to issues related to the characterization of the activity and the inadequacy of jobs, especially in situations of change or new technologies introduction. The inadequacy of jobs, the population of workers is an important social problem with reflections on the revitalization issues, health and productivity. The aim of this paper is to obtain a collaborative methodology based on Regulatory Norms (NR’s) 12 and 17, seeking worker interaction, using quick implementation tools in the prevention of ergonomic risk factors and accidents in order to expand the knowledge worker. The contributions from ergonomics in improvements in work situations are given by way of ergonomic action that seeks to understand the activities of individuals in different work situations with a view to processing. The Ergonomic Work Analysis is indeed the methodology that provides broader job descriptions and therefore more coherent to its transformation. Unveil the way in which the operator builds the problems with which it’s confronted can be an alternative to better explain the errors and accidents than simply identify the conditions under which problems are solved.

Keywords: Ergonomics, Collaborative methodology, New technologies, Occupational accidents.