Asigurarea Calităţii – Quality Assurance, ISSN 1224–5410
Vol. XXII, Issue 85, January-March 2016
Pages 8-10

Make Safer Products by Standardization the Risks

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Abstract
Increasing complexity of modern equipment and the systemic failures, often elude traditional testing and assessment. It is necessary to know how well particular equipment performs in relieving certain conditions, and what characteristics are associated with better and worse performance. Because it is impractical to expect absolute safety in the use of equipment the user must know how the equipment fails and why. Generally it is accepted that no system can be completely fail-safe and any associated risk should be reduced to a level which is as low as reasonably practicable. This is the new approach on Product Safety assessment based on the implementation of Risk Management. The Risk Management has become a key business process as an emerging philosophy across the industry. The standardization can play a major role in spreading this new culture. One of the potential standardization areas is represented by consideration of all the possible hazards and specifies the acceptable risk for each. The intent of the paper is to present proposed criteria in order to assist the standards developers to include in the product safety standards enough elements which will allow the users of standards to establish the acceptable levels of the risks.

Keywords: Standardization, Risk, Safety, Product Safety, Risk Management

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