

EFFICIENCY OF SAFETY BARRIERS FACING HUMAN ERRORS

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Abstract: this paper proposes a new approach for assessing the efficiency of barriers and of barrier removals. Facing defences in depth organized by physical barriers implemented on the human-machine system or by immaterial barriers such as procedures to be applied, barrier removal is an intentional human error and consists in not respecting the existing barriers of the human-machine system. An approach is then proposed to assess the THERP and ACIH methods. Some examples are proposed presenting probabilities of success of different barrier removals. *Copyright © 2010 IFAC*

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