

# RISK MANAGEMENT BASED ON A CRITICALITY CENTRED MAINTENANCE METHODOLOGY (CCM)

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In this work a methodology for risk management is presented based on the maintenance performed on critical components during the systems life cycle and taking in account the operational environment where those systems are at work. To know the critical values for each component a multidisciplinary team work is needed. The criteria to quantify the relative criticality of each component to the process when it fails include several important parameters, such as economic losses, environment consequences and the safety of workers. A risk management is put on work, focusing the maintenance efforts on those which show the unacceptable values, so reducing their criticality to acceptable values. This is a dynamic process which requires periodic review of input parameters.

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