

# MAINTENANCE OF FIRE PROTECTION EQUIPMENTS AND FIRE RISK ASSESSMENT

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As there is a greater concern about the safety of critical industries all over the world, fire risk plays an important role because in the majority of the cases this event can result in catastrophic consequences for life, equipments and continuity of activities or even environmental hazard. Fire protection equipments with low reliability means that these equipments are often unavailable and thus the risk of fire consequences increases. Maintenance plays an important role in this issue. These kinds of systems are most time in a dormant mode, which gives uncertainty about the functionality and operability when demanded in a real situation of fire. This paper outlines the importance of tests, inspection and maintenance operations in this context and proposes a methodology based in international standards and supported in reports to correct the frequency of these actions according to the real state of degradation of components and safety purposes.

**Publicado em:**

*Livro de Proceedings da RQR2007 – Risk, Quality and Reliability - International Conference, Ostrava, Czech Republic, 20 and 21 September 2007, pp. 159-168.*