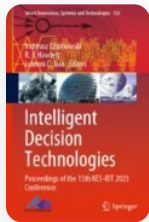


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# Optimize a Contingency Testing Using Paraconsistent Logic

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## Abstract

In this paper, a risk analysis was approached in Contingency Testing with the purpose of serving as a support for the prevention of the disaster situation in an IT environment by a Data Protection Officer (DPO) supported using the Logic Paraconsistent Annotated Evidential  $E_{\tau}$ . When observing the aspect of risk, that is, of non-compliance or adherence to ISO 22.301/2013 - Security and resilience—Business continuity management systems—Requirements and Brazilian General Data Protection Law (LGPD), there is a focus on global verification, and it is not always respected in its details interns. In this proposal, simple decision-making is contrasted with those based on Paraconsistent Annotated Logic  $E_{\tau}$ . Only a few risk factors were selected for this study concerning contingency tests. Some indications have been analyzed in this context and may present a higher or lower degree of the positive sign, however, situations that lead to uncertainty percentages may occur. It can be concluded that a lot of information has ambiguous and incomplete tendencies. However, this information, instead of being wholly discarded because it is considered totally inconclusive, can be analyzed and optimized decisions can be made.

## Keywords

[Paraconsistent Logic](#)

[Contingency Testing](#)

[Data Protection Officer \(DPO\)](#)

[Brazilian General Data Protection Law \(LGPD\)](#)

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