

## **The Regulation on Human Exposure to Electromagnetic Fields for Brazilian Power System**

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**Abstract :** In this work, is presented an analysis of the Brazilian regulation on human exposure to electromagnetic fields, which provides limits to electric fields, magnetic and electromagnetic fields. The regulations for the electricity sector was in charge of the Agência Nacional de Energia Elétrica-ANEEL, the Brazilian Electricity Regulatory Agency, that made it through the Normative Resolution Nº 398/2010, resulting in a series of obligations for the agents of the electricity sector, especially in the areas of generation, transmission, and distribution.

**Keywords :** adverse effects, electric energy, electric and magnetic fields, human health, regulation

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