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VOLTAGE SURGES PROTECTION SPECIFICATIONS ACCORDING TO THE IEC62305-4 STANDARD

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Abstract: Mixing and updating concepts included in the IEC 61024 (Protection of Structures against Lightning), in the IEC 61312 (Protection against Lightning Electromagnetic impulse (LEMP)), the IEC 62305 (Protection of Structures against Lightning), in the early 2006, has brought improvements and new features related to the rules concerning lightning protection. Specifically the IEC62305-4, that deals with electrical installations and equipments protection against surges, that will be the basis to the evolution of this work. As ABNT systematically revises its standards and follows as much as possible IEC standards and patterns, we believe that it is a matter of time for the IEC62305-4 rules to be included in the NBR5419[2] (Brazilian Standard of Lightning Protection of Structures) and NBR5410[3] standards (Brazilian Standard of Low-voltage Electrical Installations).