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Guidelines: Minimum Standard for Grounding and Lightning Protection System at the IMS Stations. Standard content, implementation and its influence on data availability statistics

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Based on statistics and experience in station installation and operations, IMS/ED in cooperation with OVE developed a comprehensive guidelines/company standards for a grounding and lightning protection system at IMS stations. The document's first edition was issued in 2010 and then revised in 2018-2019.

The document provides comprehensive information for the design and implementation of the grounding and lightning protection system for all four IMS technologies. The guidelines steadily became an integrated part of all terms of references for IMS stations' installations and upgrades. The standard has been implemented at over 20 IMS stations, which lead to significant reduction of damages caused by lightning strikes and power surges in the IMS network and, consequently, to increased data availability in the IMS network.

The poster presents the main parts of the standard, statistics of standard implementation and associated data availability changes at affected stations.

Promotional text

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