EXHIBIT G

ANSI/IEEE Std 100-1984
Third Edition

IEEE Standard Dictionary of Electrical and Electronics Terms

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Published by
The Institute of Electrical and Electronics Engineers, Inc.
New York, NY

Distributed in cooperation with
Wiley-Interscience, a division of John Wiley & Sons, Inc.

Library of Congress Catalog Number 84-081283

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August 10, 1984

SH09332

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vibratory plow (cable plowing). A plow utilizing induced periodic motion(s) of the blade in conjunction with drawbar pull for its movement through the soil. *Note:* Orbital and oscillating plows are types of vibratory plows that are commercially available. 52

vibropendulous error (accelerometer). A cross coupling rectification error caused by angular motion of the pendulum in a pendulous accelerometer in response to a linear vibratory input. The error varies with frequency and is maximum when the vibratory acceleration is applied in a plane normal to a pivot axis and at 45 degrees to the input axis. 46

video (1) (radar). Refers to the signal after envelope or phase detection, which in early radar was the displayed signal. Contains the relevant radar information after removal of the carrier frequency. 13

(2) (television). A term pertaining to the bandwidth and spectrum position of the signal resulting from television scanning. *Note:* In present usage, video means a bandwidth of the order of several megahertz, and a spectrum position that goes with a direct-current carrier. *See:* **signal wave.** 328

video filter (non-real time spectrum analyzer) (spectrum analyzer). A post detection low-pass filter. 68, 390

video-frequency amplifier. A device capable of amplifying such signals as comprise periodic visual presentation. *See:* **television.** 11

video integration. (radar). A method of utilizing the redundancy of repetitive video signals to improve the output signal-to-noise ratio, by summing successive signals. 13

video mapping (radar). The electronic superposition of geographic or other data on a radar display. 13

video stretching (radar). The increasing of the duration of a video pulse. 13

video-telephone call (telephone switching systems). A call between stations equipped to provide video-telephone service. 55

vidicon. A camera tube in which a charge-density pattern is formed by photoconduction and stored on that surface of the photoconductor that is scanned by an electron beam, usually of low-velocity electrons. *See:* **television.** 178,190

viewing area (oscilloscope). The area of the phosphor screen of a cathode-ray tube that can be excited to emit light by the electron beam. *See:* **oscillograph; screen, viewing.** 184

viewing time (storage tubes). The time during which the storage tube is presenting a visible output corresponding to the stored information. *See:* **storage tube.** 174,190

viewing time, maximum usable (storage tubes). The length of time during which the visible output of a storage tube can be viewed, without rewriting, before a specified decay occurs. *Note:* The qualifying adjectives **maximum usable** are frequently omitted in general usage when it is clear that maximum usable viewing time implied. *See:* **storage tube.** 174,190

virtual cathode (potential-minimum surface) (electron tubes). A region in the space charge where there is a

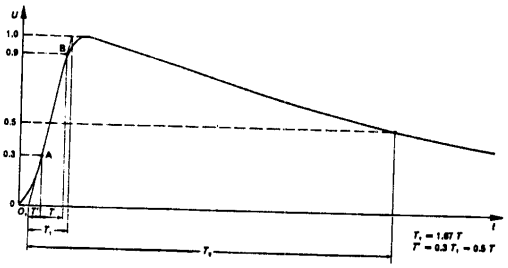

Fig 2.2
Full Lightning Impulse

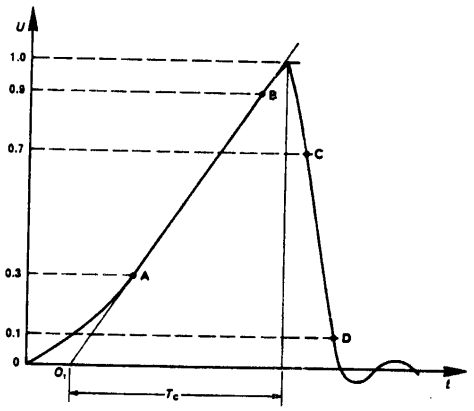

Fig 2.3
Lightning Impulse Chopped on the Front

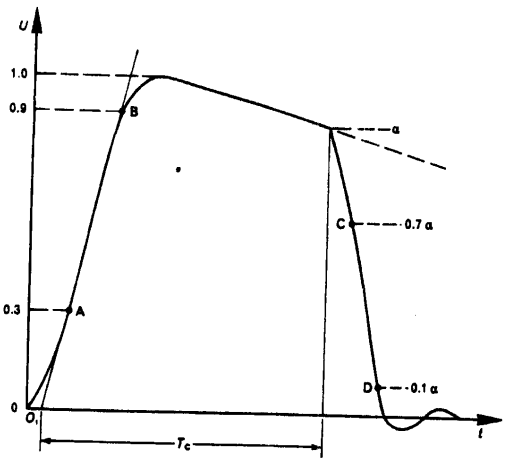

Fig 2.4
Lightning Impulse Chopped on the Tail