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PMC Exhibit 2012
Apple v. PMC
IPR2016-00754

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**IEEE
Standard Dictionary
of
Electrical and
Electronics
Terms**

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- all or part of the field current for the excitation of another exciter. 105
- exciter platform (rotating machinery).** A deck on which to stand while inspecting the exciter. 63
- exciter, potential source-rectifier (synchronous machines).** An exciter whose energy is derived from a stationary alternating current potential source and converted to direct current by rectifiers. *Notes:* (1) The exciter includes the power potential transformers, where used, and power rectifiers which may be either noncontrolled or controlled, including gate circuitry. (2) It is exclusive of input control elements. 105
- exciter response.** *See:* voltage response, exciter. 434
- exciter response ratio, main (synchronous machines).** The numerical value obtained when the response, in volts per second, is divided by the rated-load field voltage, which response, if maintained constant, would develop, in one half-second, the same excitation voltage-time area as attained by the actual exciter. *Note:* The response is determined with no load on the exciter voltage initially equal to the the rated-load field voltage, and then suddenly establishing circuit conditions which would be used to obtain nominal exciter ceiling voltage. For a rotating exciter, response should be determined at rated speed. This definition does not apply to main exciters having one or more series field, except a light differential series field, or to electronic exciters. 105
- exciter voltage response ratio (rotating machinery).** *See:* voltage response ratio.
- exciter voltage-time response (rotating machinery).** *See:* voltage-time response, synchronous-machine excitation system.
- exciting current.** (1) The total current applied to a coil that links a ferromagnetic core. 210 (2) The component of the primary current of a transformer that is sufficient by itself to cause the counter electromotive force to be induced in the primary winding. 197
- excitron.** A single-anode pool tube provided with means for maintaining a continuous cathode spot. 190
- exclusive OR.** A logic operator having the property that if *P* is a statement and *Q* is a statement, when *P* exclusive or *Q* is true if either but not both statements are true, false if both are true or both are false. *Note:* *P* exclusive OR *Q* is often represented by $P \oplus Q$, $P + Q$. *See:* OR. 255,77
- excursion (computing system).** *See:* reference excursion. 9,77
- execute features (1) (Class 1E power systems).** The electrical and mechanical equipment and interconnections that perform a function, associated directly or indirectly with a safety function, upon receipt of a signal from the sense and command features. The scope of the execute features extends from the sense and command features output to and including the actuated equipment-to-process coupling. 102 (2) (safety systems). The electrical and mechanical equipment and interconnections that perform a function, associated directly or indirectly with a safety function, upon receipt of a signal from the sense and command features. The scope of the execute features extends from the sense and including the actuated equipment-to-process coupling. *Note:* In some instances protective actions may be performed by execute features that respond directly to the process conditions (for example, check valves, self-actuating relief valves). 428
- execution (software).** The process of carrying out an instruction or the instructions of a computer program by a computer. *See:* computer program; instruction. 434
- execution time (software).** (1) The amount of actual or central processor time used in executing a program. (2) The period of time during which a program is executing. *See:* program; run time. 434
- execution time theory (software).** A theory that uses cumulative execution time as the basis for estimating software reliability. *See:* execution time; software reliability. 434
- executive program.** *See:* supervisory program. 434
- executive routine (computing systems).** A routine that controls the execution of other routines. *See:* supervisory routine. 255,77,54
- exercise (test, measurement and diagnostic equipment).** To operate an equipment in such a manner that it performs all its intended functions to allow observation, testing, measurement and diagnosis of its operational condition. 54
- exfoliation (corrosion).** A thick layer-like growth of corrosion product. 221,205
- existing installation (elevators).** An installation, prior to the effective date of a code: (1) all work of installation was completed, or (2) the plans and specifications were filed with the enforcing authority and work begun not later than three months after the approval of such plans and specifications. *See:* elevators. 328
- exit (software).** (1) Any instruction in a computer program, in a routine, or in a subroutine, after the execution of which control is no longer exercised by that computer program, that routine, or that subroutine. (2) The point beyond which control is no longer exercised by a routine. *See:* computer program; instruction; routine; subroutine. 434
- expandability (station control and data acquisition).** The capability of a system to be increased in capacity or provided with additional functions. The measurement of expandability of equipments governed by this standard is the ease with which new points or functions, or both, can be added to the system, and the amount of downtime required to expand station equipments. Expandability categories are defined as follows: (1) spare point. Point equipment that is not being utilized but is fully wired and equipped (2) wired point. Point for which all common equipment, wiring and space are provided, but no plug-in point hardware is provided. (3) space only point. Point for which cabinet space only is provided for future addition of wiring and other necessary equipments. Expandability limits may include but are not restricted to