

MASTER TITLES AND DEFINITIONS

TEST ENGINEER (profess. & kin.)

Conducts environmental, operational, or performance tests on electrical, mechanical, electro-mechanical, general industrial, or experimental products, such as aircraft, automotive equipment, industrial machinery and equipment, controls, and systems: Designs, and directs engineering and technical personnel in fabrication of testing and test-control apparatus and equipment. Directs and coordinates engineering activities concerned with development, procurement, installation, and calibration of instruments, equipment, and control devices required to test, telemeter, record, and reduce test data. Determines conditions under which

tests are to be conducted and sequences and phases of test operations. Directs and exercises control over operational, functional, and performance phases of tests. Confers with scientific, engineering, and technical personnel to resolve testing problems, such as product or system malfunctions, incomplete test data and data interpretation considering such factors as, conditions under which test was conducted and instrumentation, procedures, and phase of test used to obtain and record data. Analyzes and interprets test data and prepares technical reports for use by engineering and management personnel. Testing engineers are classified by field of engineering.