

**MIL-STD-108D DEFINITIONS AND TEST PROCEDURES FOR ENCLOSURES FOR
ELECTRIC AND ELECTRONIC EQUIPMENT (INCLUDES SWITCHES AND INDICATORS)**

The general definitions and procedures given herewith are presented to better understand the scope of the designations dripproof, splashproof, watertight, and submersible as used in MIL-STD-108D. These terms are separate and distinct and should not be used interchangeably.

DRIPPROOF - An enclosure so constructed that drops of water falling vertically on a panel inclined 15 degrees cannot enter the enclosure either directly or by running along an inwardly inclined surface. The water shall have a head of one foot at the nozzle, a distance of three feet from nozzle to enclosure, and the stream of water shall have a duration of five minutes.

SPLASHPROOF - An enclosure so constructed that drops of water striking from a maximum obtainable angle of 0 to 100 degrees from the downward vertical on a horizontal surface cannot enter the enclosure directly or by running along the horizontal surface. The water shall have a ten foot head at the nozzle, a distance of ten feet from nozzle to enclosure, and the duration of the stream of water shall be five minutes.

WATERTIGHT - An enclosure so constructed so as to withstand immersion in three feet of water for a period of two hours without evidence of leakage as indicated by bubbles emanating from the interior of the enclosure.

SUBMERSIBLE (15 foot or 50 foot) - An enclosure so constructed so as to withstand immersion in the specified depth of water (15 or 50 feet) for a period of one hour with no evidence of leakage as indicated by bubbles emanating from the interior of the enclosure.