

Thermal Cycling	E417.11(h)	X
Humidity	E417.11(g)	X
Thermal Vacuum	E417.11(i)	X
Acceleration	E417.11(f)	X
Shock	E417.11(e)	X
Sinusoidal Vibration	E417.11(b)	X
Acoustic	E417.11(d)	X
Random Vibration	E417.11(c)	X
Electromagnetic Interference and Compatibility	E417.11(j)	2
Explosive Atmosphere	E417.11(k)	1
Leakage ⁽⁶⁾	E417.5(h)	X
Circuit Protection Test	E417.19(d)	X
Internal Inspection	E417.5(g)	X

⁽¹⁾ Each sample component to undergo qualification testing must first successfully complete all applicable acceptance tests.

⁽²⁾ A component must undergo this test before the first and after the last non-operating environment test and before the first and after the last operating environment test.

⁽³⁾ A component must undergo this test during shock, acceleration, and vibration testing.

⁽⁴⁾ A component must undergo this test during operating thermal cycle and thermal vacuum testing.

⁽⁵⁾ The same three sample components must undergo each test designated with an X. For a test designated with a quantity of less than three, each sample component tested must be one of the original three sample components.

⁽⁶⁾ An unsealed component that has successfully completed salt-fog, humidity, fungus resistance, and fine sand qualification tests need not undergo a leakage test.