

MODULAR DATA CENTERS

UL 2755

1 Scope

1.1 This Outline of Investigation covers Modular Data Centers (MDC). The Modular Data Centers covered by these requirements are pre-fabricated units consisting of an outer enclosure housing ITE and various support equipment such as electrical service and distribution equipment, HVAC systems and the like. Some configurations may have the support equipment housed in a separate enclosure. A typical construction may use a standard ISO shipping container or other structure as the outer enclosure, racks or cabinets of ITE, NEC compliant service entrance equipment and power distribution components, power storage such as a UPS and an air or liquid cooling system.

1.2 These factory-built modules incorporate pre-installed materials and equipment which, after installation, may be concealed and may not be accessible for inspection at the final installation site.

1.3 The modular data centers covered by these requirements are intended for fixed installation either indoors or outdoors based on their construction and resistance to environmental conditions.