



## Batteries - Maintaining Your Last Line of Defense in a Power Outage

Loss of electronic information and data...

Loss of protection and control power...

Loss of emergency systems...

Battery systems are the last line of defense against the loss of revenue associated with the outage of a critical system. Knowing the state of your battery system before an outage occurs is essential in preventing the loss of critical systems. A good battery maintenance program can provide prevention from unexpected failures, the ability to predict battery life/death, and insurance that supported equipment is backed up.



IEEE 450-1995, IEEE 1188-1996, and IEEE 1106-1995 govern inspection and testing intervals for lead-acid, valve-regulated lead-acid (VRLA), and nickel-cadmium batteries respectively. Each style of battery requires at least quarterly, semiannually, and annual inspections (lead-acid and VRLA also require monthly inspections) to evaluate battery condition. Besides these inspections, performance testing is also required. Lead-acid and nickel-cadmium batteries require an initial performance test at 2 years after installation and then performance testing every 5 years. VRLA batteries require performance testing every year.



Having a good battery maintenance program can prevent, or at least reduce, the loss of essential equipment. PRIT Service can help you design a program that fits your company's needs. PRIT Service provides testing in accordance with the above IEEE standards and carries the experience necessary to identify problem areas. Using specialized test equipment, PRIT Service has the ability to predict battery failures, perform actions to improve battery life, determine the present condition and capacity of your battery system,

and trend battery performance. Call PRIT Service today for a review of your battery maintenance program.