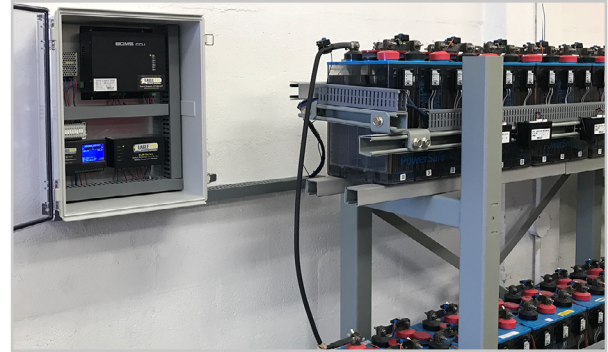


## Solutions for NERC PRC-005-2 Compliance

**Eagle Eye Power Solutions** provides battery monitoring solutions to power utilities worldwide. NERC (North American Electric Reliability Corporation) is a not-for-profit regulatory authority that ensures the reliability of the BES by enforcing reliability standards. NERC PRC-005 is the standard for Protection Systems Maintenance and Testing. PRC-005-2 requires utilities to document and implement programs for the maintenance of all protection systems affecting the reliability of the Bulk Electric System (BES).



### NERC PRC-005-2 -Table 1-4(f)

“Exclusions for Protection System Station DC Supply Monitoring Devices and Systems”

\*Maximum Maintenance Interval: No periodic maintenance specified

NERC Requirement Attributes / Eagle Eye Solution	Maintenance Activities
Any station dc supply with high and low voltage monitoring and alarming of the battery charger voltage to detect charger overvoltage and charger failure. <ul style="list-style-type: none"> <li><b>BQMS: Monitors String Voltage</b></li> </ul>	No periodic verification of station dc supply voltage is required.
Any battery based station DC supply with electrolyte level monitoring and alarming in every cell. <ul style="list-style-type: none"> <li><b>ELM-Series: Monitors Electrolyte Level</b></li> </ul>	No periodic inspection of the electrolyte level for each cell is required.
Any station DC supply with unintentional DC ground monitoring and alarming. <ul style="list-style-type: none"> <li><b>GFM-100: Monitors for DC Grounds</b></li> </ul>	No periodic inspection of unintentional DC grounds is required.
Any station DC supply with charger float voltage monitoring and alarming to ensure correct float voltage is being applied on the station DC supply. <ul style="list-style-type: none"> <li><b>BQMS: Monitors String Voltage</b></li> </ul>	No periodic verification of float voltage of battery charger is required.
Any battery based station DC supply with monitoring and alarming of battery string continuity. <ul style="list-style-type: none"> <li><b>BQMS: Monitors String/Cell Voltage &amp; Cell Internal/ Connection Resistance</b></li> </ul>	No periodic verification of the battery continuity is required.
Any battery based station DC supply with monitoring and alarming of the intercell and/or terminal connection detail resistance of the entire battery. <ul style="list-style-type: none"> <li><b>BQMS: Monitors Cell Internal &amp; Connection Resistance</b></li> </ul>	No periodic verification of the intercell and terminal connection resistance is required.
Any Valve Regulated Lead-Acid (VRLA) or Vented Lead-Acid (VLA) station battery with internal ohmic value or float current monitoring and alarming, and evaluating present values relative to baseline internal ohmic values for every cell/unit. <ul style="list-style-type: none"> <li><b>BQMS: Monitors DC Current, &amp; Internal Ohmic Values for all Battery Types</b></li> </ul>	No periodic evaluation relative to baseline of battery cell/unit measurements indicative of battery performance is required to verify the station battery can perform as manufactured.
Any Valve Regulated Lead-Acid (VRLA) or Vented Lead-Acid (VLA) station battery with monitoring and alarming of each cell/unit internal ohmic value. <ul style="list-style-type: none"> <li><b>BQMS: Monitors Ohmic Value of Each Cell</b></li> </ul>	No periodic inspection of the condition of all individual units by measuring battery cell/unit internal ohmic values of a station VRLA or Vented Lead-Acid (VLA) battery is required.