

DATA COLLECTION ON PLATFORM (DCP MAINTENANCE)

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1. Introduction. This supplement outlines specific maintenance responsibilities and procedures for Central Region supported DCPs, including but not limited to the Great Lakes Marine Project, to achieve maximum responsiveness to the mission of the National Weather Service (NWS). This supplement excludes nationally supported systems (i.e. ASOS).

2. Scope. These maintenance requirements apply to NWS-owned DCP sites around the Great Lakes, Colorado, Wyoming, and other NWS-owned DCPs located in Central Region.

3. Maintenance Response Priorities. The response priority of maintenance of the Central Region (CR) DCPs is based on seasonal needs of the affected WFOs and the accessibility and safety of the technicians assigned to work on them. The MICs and ESAs will be the final judges of whether maintenance resources will be expended on the DCPs or applied toward higher priority needs.

4. Preventative Maintenance. Sites should be visited at least annually – more frequently at the discretion of the office MIC or ESA. Pressure sensors can be checked using the existing digital pressure standard. The data logger and power supply should have an annual visual inspection, alignment, and cleaning as required by the manufacturer’s specifications. Wind and temperature/dewpoint sensors will be replaced at failure. Batteries should be replaced every two years or at failure. Most outages will be repaired via the “Plug and Play” concept. No benchwork is expected for any of the equipment referenced in this supplement.

5. Supply Support. Great Lakes DCPs – Should a component need replacing the electronics staff will call CRH – W/CR 43x2. Parts will be ordered by CRH and sent to the affected WFO. At no time will WFOs order parts directly from the factory.

Other DCPs – Should a component fail that would need replace or repair, the electronics staff will contact the appropriate vendors

6. Maintenance Reporting. Maintenance reporting is accomplished through the Engineering Management Reporting System (EMRS). All field offices will use EMRS to document maintenance activities following NWS Instruction 30-2104, Maintenance Data Documentation guidance. Each ESA will ensure all equipment approved for maintenance is added to the site's equipment inventory listing (TMISC).

7. Outage Reporting. CR DCPs outages do not fall under the instructions found in NWSI 30-2112, "Reporting Systems, Equipment, and Communication Outages" so no USOS will be filed for an outage.

8. Unauthorized Maintenance and Modification. A change request must be approved by CRH before any change or addition can be made to systems under NWS configuration management including the Great Lakes marine DCPs.