

## *EMPOWER - Distribution-Class Transformer Maintenance Module*



The *EMPOWER Distribution-Class Transformer Maintenance Module* provides the Utility with a convenient, easy-to-use method of maintaining overhead, pad-mount, and vault distribution transformers. Once a maintenance interval for each class of transformer is established, reports may be generated advising management when each is due for maintenance. Hard copy work sheets are produced for field crews to fill in as maintenance activities are completed. Upon completion, the work sheets are used to input results into the module through interaction with simple graphic forms. Engineering data revisions can also be noted at this time, providing a convenient and comprehensive method of keeping system records current and accurate.

Transformers not maintained due to system conditions or customer constraints at the due date are tracked and show up on overdue service reports generated for management; these may then be treated on a priority basis.

The *EMPOWER Distribution-Class Transformer Maintenance Module* offers the utility the following advantages:

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- *increased system security and reliability and reduced inventory costs* through a planned program of transformer maintenance and replacement.
  - *reduced operating costs* through systematic servicing of transformers during normal working hours.
  - *reduced operating costs* through P.C.B. tracking from "cradle to grave".

The *EMPOWER Distribution-Class Transformer Maintenance Module* allows entry and interrogation of transformer data such as:

- transformer number
- transformer location - this may be a simple pole number reference, a map grid coordinate or an address specification
- date purchased (used in P.C.B. tracking and warranty monitoring)
- size and type of transformer
- primary and secondary ratings
- pcb sampling and analysis results
- high and low voltage bushing inspection
- tank condition and temperature
- transformer grounding and ground resistance
- vault and sump pump status recording
- fuse ratings and inspection results

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Allowing systematic maintenance and record keeping, the *EMPOWER Distribution-Class Transformer Maintenance Module* reduces cost and enhances system security and reliability.