

ABMS Battery Management System

The ABTECH Battery Management System (AMBS) is a state-of-the-art, fully integrated, automatic aircraft battery servicing solution. The system provides automatic PC control of the popular RF80-K Charger/Analyzer, real-time monitoring of battery and cell data, storage of critical battery servicing information and access to various battery management reports. The ABMS includes the AB3000 Controller, ABMS-4 Software (WIN XP), Universal Cell Scanning Harness or Custom Hood, Interface Cables and Operator's Manual. The ABMS-4 Battery Management Software is also compatible with the Christie DataFX.



Key Features:

- Remote PC Control of RF80-K with Expanded Functionality and Accuracy
- Pre-programmed Service Routines provide Automated Battery Processing
- Compatible with Existing and Emerging Aircraft Battery Chemistries
- Automatic Processing and Data Monitoring Increase Battery Shop Productivity
- Fill-Master Interface for Logging Cell Water Consumption (requires AB3000 Controller)
- Expandable up to 32 Battery Servicing Stations (based on 1 PC per 4 stations)
- Color Display of Real-Time Servicing Data - All Cell Voltages in Numerical & Graphic Format
- Battery Performance Graphs of Discharge Capacity and Charge Cycle
- Accurate Monitoring of Cell/Battery Voltage, Current and Temperature (w/temperature sensors)
- Battery Management Reports can be Viewed, Printed or Exported
- Complete Traceability to Satisfy Regulatory Authorities
- Designed to Conform to Battery Manufacturer's Servicing Guidelines (CMMs)
- Work Order Form Records Initial/Final Inspection, Servicing Results and Water Usage
- Cell Voltage Warning Conditions are Displayed and Recorded
- Data Back-Up Utility
- End of Task Report: Contains all cell/battery voltage/current data, plus amp-hour calculation, charge/discharge graph and error summary.
- Work Order Report: Contains initial inspection, end of task summaries for all servicing steps, water consumption data and final inspection checklist.
- Water Usage Report: Contains water consumption data by battery manufacturer, type or age, sorted by manufacturer, type or serial number.
- Battery Detail Report: Contains summary information on all batteries in database by manufacturer, type or age, sorted by manufacturer, type or serial number.

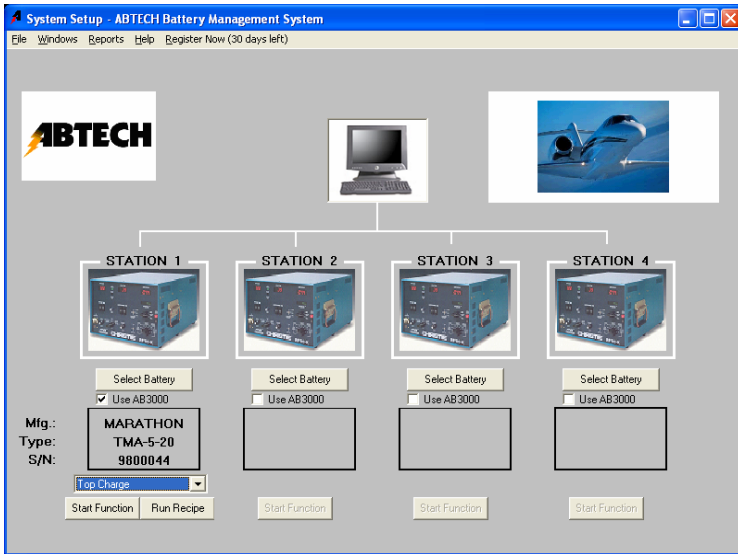
National Stock Number (NSN) Assignments:

6140-01-534-9333	AB3000 Controller
7030-01-534-9334	ABMS-4 Battery Management Software
6140-01-534-9335	AB175 Harness & Stand Assembly



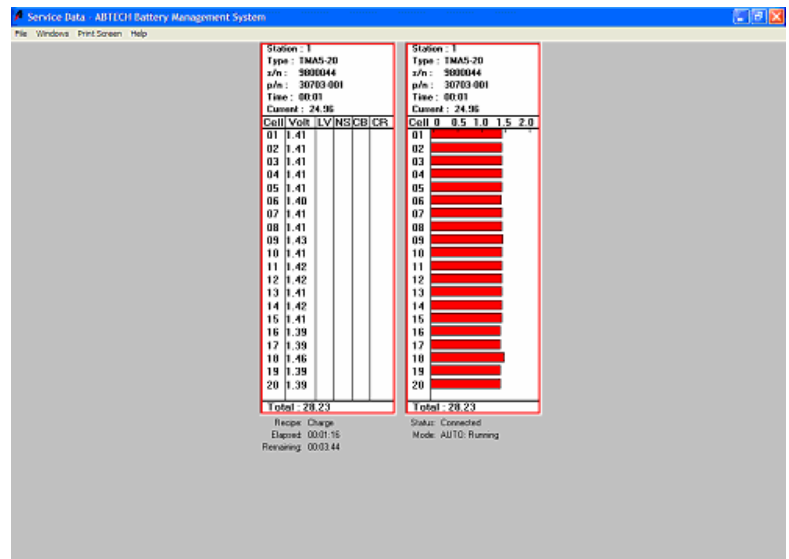
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Primary ABMS Screens:



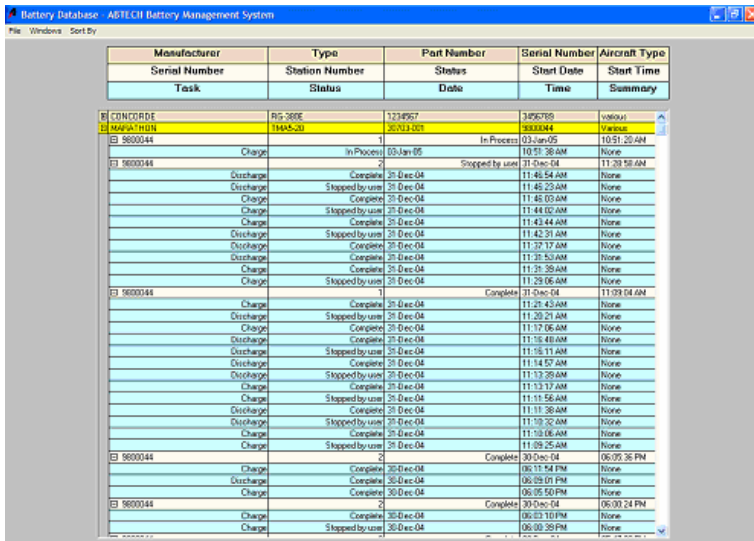
System Setup Screen

This is the starting point for all battery servicing activities. From this screen, batteries are entered in the database, assigned to the appropriate station number (1-4), and servicing is initiated either automatically (AB3000) or manually Christie (DataFX).



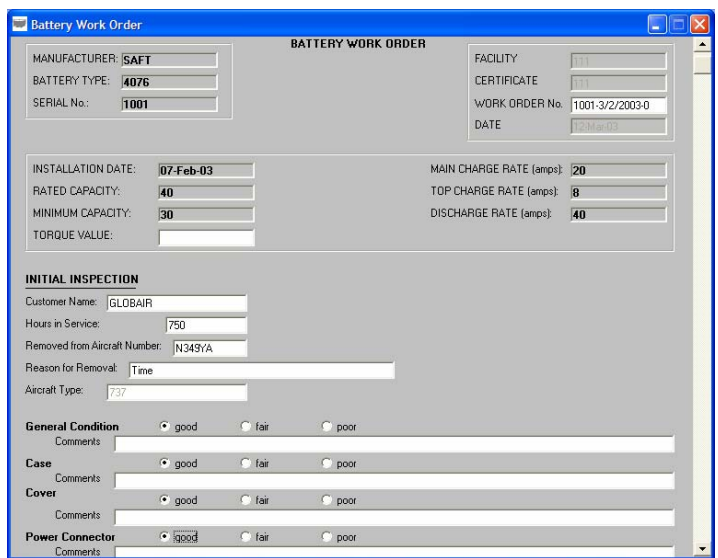
Service Data Screen

The Service Data Screen displays servicing information on all operating charger/analyzers including total battery voltage, charge/discharge current, cell voltages, elapsed time, station number, battery type, serial no., part no., cell warning messages, elapsed/remaining time and auto operating mode.



Battery Database Screen

The Battery Database Screen contains details on all batteries serviced by the system and all servicing results. By right clicking any function line, the user can view, print or export the Work Order Window or Cell Replacement Log. By left clicking any task line, the user can view, print or export the End of Task Report or Performance Graph.



Battery Work Order Screen (partial screen shown)

Each battery serviced is assigned a Work Order which contains Initial Inspection Data, Battery Servicing Results, Water Usage Details and Final Inspection Information. A report can then be printed containing all battery servicing results.