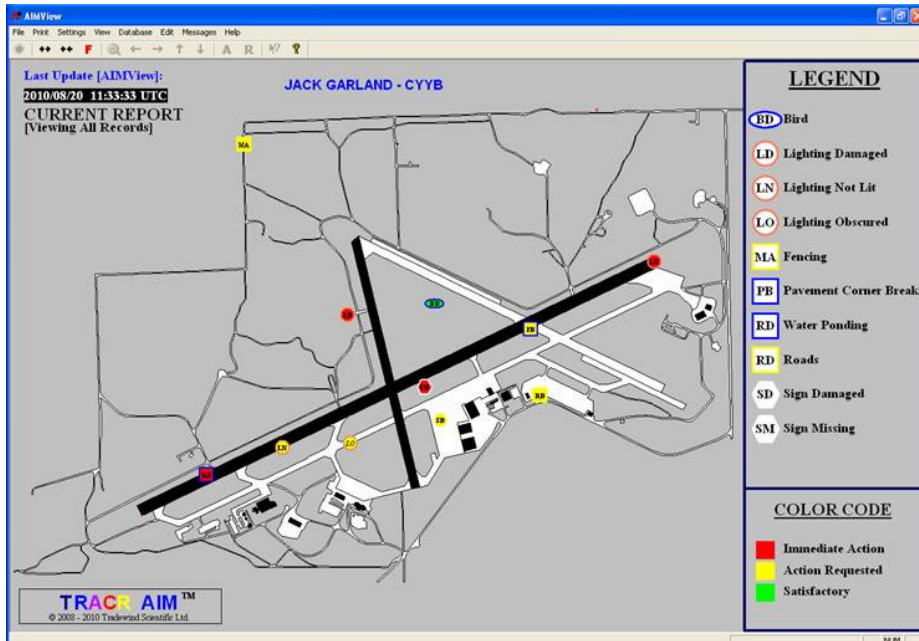




TRADEWIND SCIENTIFIC LTD.

TRACR II® AIM (AIRFIELD INSPECTION MANAGEMENT)



- ⇒ EXTEND YOUR TRACR II® SYSTEM TO YEAR-ROUND CAPABILITIES USING THE NEW AIM MODULES
- ⇒ RE-USE EXISTING HARDWARE AND SOFTWARE INFRASTRUCTURE WHILE INCREASING ITS FUNCTIONALITY
- ⇒ INSPECT AND MONITOR YOUR AIRFIELD CONDITION QUICKLY AND ACCURATELY, YEAR-ROUND IN ALL WEATHER CONDITIONS
- ⇒ ALL FUNCTIONS ARE IMPLEMENTED USING THE FAMILIAR, EASY-TO-USE TRACR II® GRAPHICAL TOUCHSCREEN INTERFACE

Tradewind Scientific Ltd.'s Airfield Inspection Management (AIM) System has been developed to permit a versatile and comprehensive approach to monitoring all aspects of an airfield's physical condition. The upgrade re-uses the existing hardware and software infrastructure of the TRACR II® equipment to maximize the cost-effectiveness of the overall system.

Specific AIM modules can be configured based on established, airport-specified inspection procedures. Alternately, they can be designed to meet regulatory requirements (such as the FAA Part 139 Airport Self-Inspection Procedures or Transport Canada Safety Management System record keeping). The AIM modules are each divided into a three-level tiered structure. The standard configuration consists of a Category-Subcategory-Item relationship. Typically, categories are used to define

separate physical areas of the airport. Subcategories may then be used to divide inspection types (such as lights, pavement, signs, etc.) while items are used to define individual subsets within the inspection type.

Remote Inspection Components

In the Airfield Inspection Vehicle, the familiar and easy-to-use TRACR II® graphical touch screen interface is employed to allow quick and efficient completion of inspection procedures in an interactive manner. In contrast to standard TRACR II® winter airfield condition reporting, the AIM system incorporates a bi-directional data-collection, communication and database structure due to the nature of the inspection process. For example, each AIM session starts by the remote inspection vehicle operator downloading the latest airfield condition database from the base station (which includes messages and reminders regarding the current inspection requirements).

Using this downloaded MS Access® database, the airfield inspection operator then proceeds in an orderly manner to complete the specified tasks.

These tasks may include the re-inspection of previously defective and/or repaired items or new scheduled inspections of different categories. The system is designed to minimize the requirements for data entry and note-taking by the field operator by using standardized, large-button touch screen controls and selections.





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OVERVIEW

AIM Base-Station Components

Records are displayed on the airport map using symbols. Each record type has its own unique symbol (i.e. symbol shape and text). Double clicking on a symbol brings up the records detailed information. The user can specify which records are displayed. The user can also zoom in to more detailed maps by double clicking on specific areas on current map. Symbol size is controllable using symbol "Zoom In" and "Zoom Out" toolbar buttons.

AIMView generates and maintains a Database which stores all records generated by AIM. This includes all currently open records and all past records (i.e. records that have been closed). The user can query this database by any combination of Category, Subcategory, Type, Record Status (open or closed), Record Date Range (created or last modified), and Record Flag settings. The sorting of these records can also be specified. The system will produce a list of sorted records which match the query. Double clicking on any record in this list will generate a dialog displaying detailed information on that record.

AIMView allows any currently open record to generate/send a message (e-mail or fax). A dialog is used to specify which record types generate messages, who are the recipients of the messages and how the messages are generated (i.e. automatically or only when record's message flag is set). E-mail "reply" messages can also be received by AIMView. The e-mail "reply" message text is then integrated by AIMView into the comment section of the specific record that it pertains to.

As an option, AIMView allows the inspection period for any specific category, subcategory or type to be set. This information will then be included in the AIM data file that is sent to the field unit and will be used to inform the operator of the scheduled inspection dates. AIMView also provides the user with the ability to view the last inspection date for a given category, subcategory or type and, if enabled, the next scheduled inspection date.

AIMView allows the user to generate a Report printout based on the current AIM data file. This report will contain detailed information on all currently open records including the last and next scheduled inspection date information. Report printouts can also be generated for past dates as AIMView retains, as a minimum, 12 months (user definable) of previous AIM data files. The user can also generate printouts of the airport map (as displayed), the information from any detail record information dialog and the results of any database query.

INSTALLATION

- Site installation, configuration, and commissioning
- System integration using existing TRACR II® components wherever practical

TRAINING

- Qualified technical training personnel
- Training courses covering the procedures and practice of airfield inspection management and monitoring are available on request

SUPPORT SERVICES

- Experienced senior field personnel
- Well-equipped service and technical support centre
- Remote system monitoring and upgrades

For further information, write or call:

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