

PACKAGE ID - 001223IBMPC00 FDTASREM

KWIC TITLE - Field Deployable Tritium Assay System Remote
Control Software

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LIMITATION CODE -COPY **AUDIENCE CODE** - LIM

COMPLETION DATE - 08/18/1997 **PUBLICATION DATE** - 08/18/1997

DESCRIPTION - The FDTASREM software is a command control based application for the Field Deployable Tritium Assay System (FDTAS-Invention Disclosure SRS-96-091 has been submitted). The program runs on the Remote computer which is located at the field site with the FDTAS sampling and analysis components. The application executes commands received over the connected phone line from the operator via the FDTAS Host GUI running in the laboratory some distance away. The FDTASREM controls interface with the FDTAS auto sampler and the analysis systems. It tells the sampler to take a sample from a specified location and send it to the analyzer. Once the sample is sent to the analyzer, FDTASREM sequences the internal valves and pumps to deliver the sample and cocktail to the counting chamber. Once the analysis is complete, the program can execute the clean command and prepare the system for the next sample.

PACKAGE CONTENTS - Media Directory; Software Abstract; Media Includes Source Code, Executable Module;

SOURCE CODE INCLUDED? - Yes

MEDIA QUANTITY - 1 3.5 Diskette

METHOD OF SOLUTION - Developed a command interface specification to define commands and messaging between the host and the remote application. Digital inputs and outputs using relay interface boards are used to control the local hardware.

COMPUTER - IBM PC

OPERATING SYSTEMS - DOS

PROGRAMMING LANGUAGES - Turbo Basic

SOFTWARE LIMITATIONS - Developed specifically to control the FDTAS system.

SOURCE CODE AVAILABLE (Y/N) - Y

UNIQUE FEATURES - Send status and sequence messages to the FDTAS Host computer.

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UNIQUE FEATURES - (CONT)

RELATED SOFTWARE - FDTAS Host Host GUI for the FDTAS system. A separate copyright application is being submitted.

HARDWARE REQS - PC Compatible, AT, or Pentium. Two comm ports. D10 boards.

ABSTRACT STATUS - Released AS-IS 6/26/1998.

SUBJECT CLASS CODE - Z

KEYWORDS -

COMPUTER PROGRAM DOCUMENTATION
F CODES
DATA PROCESSING

EDB SUBJECT CATEGORIES -

990200

SPONSOR - DOE/DP

PACKAGE TYPE - AS - IS