

PACKAGE ID - 001348IBMPC00 LCOTP4.0

KWIC TITLE - Limited Conditions of Operations Tracking
Program

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

COMPLETION DATE - 09/02/1999 **PUBLICATION DATE** - 09/02/1999

DESCRIPTION - The Lco tracking program is a computer based solution for tracking time limited action items for Limited Conditions of Operation (LCO) for nuclear and industrial processes. This use is not limited to any process except those not requiring specific action steps and times. The visual and audible assistance the LCO Tracking Program provides significantly reduces the chance of missing crucial actions required for safe operation of any facility in time of limited operations. The LCO Tracking Program maintains all applicable action steps and times for each limited condition for the facility in its data base. The LCO Tracking Program is used to enter that condition by number, and the data base provides the applicable action steps and starts tracking their times based on the time the LCO was entered. The LCO display graphically displays, by colored bar charts, the time expired/time remaining of each specific action item. At 60% time expired, the bar chart turns yellow to caution personnel and then turns red at 90% time expired. Then an audible alarm is sounded at 95% as a warning, to finish or accomplish the required actions to satisfy the requirements. These warning and alarm limits are modifiable by the user and can be set at different values for each action. The display file is dynamic in function, checking every minute, and responds in real time to changes to the LCO Tracking Form file, providing the visual and audible warnings as to the status of the action steps chosen for display. The LCO Tracking Program efficiently tracks action times in minutes or days, up to 2 years. All current LCO's are easily documented using the LCO Tracking Form file with ease of printing and disposition. The Lco Tracking Program is designed as a user friendly program with navigational buttons to simplify use.

PACKAGE CONTENTS - Media Directory; Software Abstract; Media Includes Source Code, Executable Module, Critical Information Sheet and Installation Instructions;

SOURCE CODE INCLUDED? - Yes

MEDIA QUANTITY - 1 CD Rom

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METHOD OF SOLUTION - The LCO program is a time-based program that continually monitors and updates the status of action items in the database and displays the status to the LCO display.

COMPUTER - IBM PC

OPERATING SYSTEMS - Windows 95/NT4.0

PROGRAMMING LANGUAGES - na

SOFTWARE LIMITATIONS - Limitations associated with Microsoft Access 97. This program is smaller capacity database and is intended to be used by a limited number of users at any one time.

SOURCE CODE AVAILABLE (Y/N) - Y

UNIQUE FEATURES - Tracks chosen individual action steps for any LCO condition by time left and percentage of time used. Provides color bar chart for each action item which is updated at chosen interval. User can enter the time an action was done, which then marks the item as completed, or, if a repeating item, resets its time due. The program can run on a standalone computer or in a client/server environment supporting multiple facilities and allowing network users to remotely view the facilities LCO status.

RELATED SOFTWARE - The following Active X controls were used: True DBGrid 6.0, Active Threed Plus. The runtime executables for these active X components are freely distributed.

HARDWARE REQS - Minimum 64MB Ram, 200Mhz Pentium Pro processor, Windows 95 or NT 4.0 or higher (NT 4.0 Server or higher required if operating LCOTP as client/server configuration.

TIME REQUIREMENTS - Less tahn 1 second for standalone systems. speed slows slightly in appropriately designed client/server implementations.

ABSTRACT STATUS - Released AS-IS8/28/2000

SUBJECT CLASS CODE - Z

EDB SUBJECT CATEGORIES -
990200

SPONSOR - DOE

PACKAGE TYPE - AS - IS