

Extended Operations Console Facility/2



# CSD 2 Fixpack



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**Note!**

Before using this information and the product it supports, be sure to read the general information under "Notices" on page ix.

## **Second Edition (August 2001)**

This is a major revision of, and obsoletes, GH31-0127-00.

This edition applies to IBM Extended Operations Console Facility/2, program number 5695-067 and to all subsequent releases and modifications until otherwise indicated in new editions or technical newsletters. Make sure you are using the correct edition for the level of the product.

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# Chapter 1. Overview

Many new functions have been added to the EOCF/2 base code. There are also many new (or enhanced) sample programs. This document is an attempt to give the user a single place to look for these "add-ons".

This document is composed of the following sections:

1. **Overview**

2. **Tools and Utilities (No Associated APAR)**

- Sample programs and packages that do not have an associated APAR.

3. **Programming Enhancements (Available as APARs)**

- In addition to sample programs and packages, these can be modifications to the EOCF/2 base programs. There is an associated APAR.

4. **Problems Fixed by APARs**

- Mainly fixes to the EOCF/2 base programs but these can also be fixes for sample programs. There is an associated APAR.

5. **OS/2 Environment Variables for EOCF/2**

- A complete list of OS/2 environment variables which can be used to customize (or change the processing of) the EOCF/2 base programs.

6. **EOCF/2 Fixpack Installation**

- An overview of the EOCF/2 Fixpack procedure.

7. **APPENDIX A - APAR LIST**

- Detailed descriptions of all EOCF/2 APARs.

8. **APPENDIX B - EOCFTOOL.DOC**

- Detailed descriptions of tools in the EOCFTOOL package.



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## Chapter 2. Tools and Utilities (No Associated APAR)

These are sample programs and packages that do not have an associated APAR.

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### CONSOLE

#### RAVEN Automation Package

**REXX Automation Variations for an EOCF/2 Network (RAVEN)** is an EOCF/2 automation application. RAVEN automation was developed for use in:

- the TPF 4.1 System Test and
- the subsequent TPF 4.1 24x7 Test
  - This was a four-week test - executing 24 hrs per day, 7 days per week.

RAVEN's usage has now expanded to other areas of the lab.

RAVEN features:

- The following host connections are supported:
  - TPF
  - ALCS
  - VM
  - MVS
  - NetView
  - SVP (Mainframe service processor)
- The interface to the RAVEN programs is:
  - via the prime CRAS console window
  - (optional) an FSC-USRn console window
  - (optional) a PMREXX scrollable window
- RAVEN is based on a "variation" structure which yields the following capabilities:
  - Allows variations to be activated/deactivated.
  - Multiple variations can be activated and execute simultaneously.
  - A variation can be "long-lived" and remain active indefinitely waiting for the host output message which will cause the variation to take action.
  - A variation can also be "short-lived", accomplishing its task quickly, and then deactivated.
  - Variation status can be displayed.
  - The "variation" structure gives the operator the ability to execute one piece of the automation or "string together" multiple variations to accomplish a larger task.
- The following lab-supplied (and lab-supported) variations can probably satisfy basic automation requirements:
  - TDRV
  - MTRP
  - CMDFILE
  - MULT
- A "message trap" function is available which can automatically activate variations or input messages to the host when specific host output messages are encountered.
- RAVEN automation can be paused if problems occur. It can then be un-paused, maintaining the same status as when it was paused.

- For host connections defined as TPF or ALCS, the following status is determined dynamically and maintained in internal tables to which the variations have access:
  - Status of active processors in a L/C environment
  - Status of active subsystems in each processor
  - The number and types of all dumps, snap dumps and console I/O errors.
- An internal timer table (STIM) is available to enter input messages to the host or to start user-defined time-initiated functions.
- Variations executing on one workstation can communicate with variations executing on another workstation.
- Internal "MVS style" reply function is available.
- Key information is contained in a configuration file so that the automation programs can be exited and restarted without the operator having to enter data back into the internal tables.
- Multiple console windows on a single workstation can be automated.
- NetView interface
- Service Processor (SVP) interface

RAVEN has its own installation diskette and documentation. Copies can be requested from your EOCF/2 support contact.

## **RUN.CMD - Starting Programs from the Console Window**

This utility allows you to issue any OS/2 command from the EOCF/2 console window command line. If the command being issued produces only full screen output, (i.e. it is not a Presentation Manager program), then you can optionally view the output in the console window.

Please see the file **EOCFTOOL.DOC** in APPENDIX B.

## **REFRESH.CMD - Calls EYNPUTIL.EXE for console refresh**

This program demonstrates how to invoke EYNPUTIL.EXE for refreshing consoles and interpret the return codes in REXX.

Please see the file **EOCFTOOL.DOC** in APPENDIX B.

## **CONSUTIL.CMD - Calls EYNPUTIL.EXE to send function requests to console**

This program demonstrates how to invoke EYNPUTIL.EXE and interpret its return codes in REXX.

Please see the file **EOCFTOOL.DOC** in APPENDIX B.

## **EYNPCOMM.CMD - Communicate with an EOCF/2 Console**

Used to communicate with an EOCF/2 console window.

Please see the file **EOCFTOOL.DOC** in APPENDIX B.

## **EYNPCHKQ.EXE - Executable to check EOCF/2 Console queue status**

This program will check if a queue is open for EOCF/2 use.

Please see the file **EOCF2OOL.DOC** in APPENDIX B.

## **LOGTOFIL.EXE - Log Host Output to a (LAN Server) File**

This program accepts output from a console window (via Console Filter Rules) and writes the output to hourly files. This function can be used in lieu of (or in addition to) the normal EOCF/2 host logging. There are command files supplied in the package which will combine and copy the hourly files created by the LOGTOFIL program.

**LOGTOFIL.ZIP** may be obtained from your EOCF/2 support contact.

## **EYNAAUTO.EXE - Host 3270 Console Automation/Operation**

While the SVP function of EOCF/2 was designed to operate a mainframe processor's Service Processor console (which, on most processors, is a 3270 terminal), it can be easily adapted to distribute a 3270 system console window to any workstation in the EOCF/2 complex. This sample program interfaces between the SVP 3270 console window (which can be the system console for *VM* or *MVS*) and an EOCF/2 console window.

EYNAAUTO has its own installation diskette and documentation. Copies can be requested from your EOCF/2 support contact.

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## **DATA BASE LOGGING**

### **TLX - Transaction Log Executables**

The TLX3.ZIP file contains an updated version of the TLX - Transaction Log Executables. These are 32 bit versions of the programs and thus can only be run with EOCF/2 CSD 2. These programs are used to automate some of the maintenance needed on the message log databases and central error log table in the CAA databases.

Short Explanation of samples:

- AUTOLOGS.CMD - Continuously running program which calls ARCDAY.CMD once a day.
- ARCDAY.CMD - Run once a day to do archiving and deleting of Message log databases, and deleting of Central Error Log messages. Change the variables to configure for your configuration.
- TLXARCHT - Archive message log (specifying start and end times). Please also see APAR IC11414 for a "command line" version of "Save Query to File"
- TLXDEL - Delete message log.
- TLXDELH - Delete message log history entries in the CAA.
- TLXMERGE - Merge 2 archive files.
- CELDEL - Delete Central Error Log Messages.

**NOTE:** When installing, remember to copy the \*.BND files to the \EOCF\BND directory.

Also see EOCF/2 CSD 2 DISK 6 \SAMPLES\TLX directory for more examples of automating EOCF/2 log archival upload and deletion.

Changes since previous version:

- All the database program executables are 32 bit.
- Make (M32) files updated to use DB2/2 libraries.
- More commits done in TLXARCHT
- DELAY option available on compile of TLXARCHT. (see TLXARCHT.M32)
- PCTIME\_FIRST option available on compile of TLXARCHT. (see TLXARCHT.M32)

TLX3.ZIP may be obtained from your EOCF/2 support contact.

## **STARTDBS - Remote Restart Data Base Logging**

This utility allows you to restart data base logging on another workstation.

Please see the file **EOCFTOOL.DOC** in APPENDIX B.

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## **SHELL**

There are currently no tools or utilities in this functional area.

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## **CAA**

### **EYNCCAA.EXE - Executable to check CAA Status**

Executable to determine CAA status.

Please see the file **EOCFTOOL.DOC** in APPENDIX B.

### **STARTCAA - Remote Start of CAA**

This utility allows you to start the CAA on another workstation.

Please see the file **EOCFTOOL.DOC** in APPENDIX B.

### **STOPCAA - Remote Shutdown of CAA**

This utility allows you to shut down the CAA on another workstation.

Please see the file **EOCFTOOL.DOC** in APPENDIX B.

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## **AUTOMATION GATEWAY (AG)**

### **STARTAG - Remote Start of AG**

This utility allows you to start the AG on another workstation.

Please see the file **EOCFTOOL.DOC** in APPENDIX B.

## STOPAG - Remote Shutdown of AG

This utility allows you to shut down the AG on another workstation.

Please see the file **EOCF TOOL.DOC** in APPENDIX B.

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## INSTALL

There are currently no tools or utilities in this functional area.

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## MISCELLANEOUS

### NVRUNCM2.EXE - New NetView Interface Program

There is a replacement program, **NVRUNCM2.EXE**, for the original NetView Interface program, **NVRUNCMD.EXE**. NVRUNCM2.EXE allows the NetView RUNCMD to be routed directly to the program NVRUNCM2.EXE instead of the NetView RUNCMD routed to REMOTEOP and then REMOTEOP executing the program NVRUNCMD.EXE for every message from NetView to the PC. The program NVRUNCM2.EXE is started in the same manner as NVFRMTPF and thus, is always active. NVRUNCM2 registers itself with the CM/2 SPA Router in the same manner that REMOTEOP does. The resulting communication between NetView and the PC is MUCH faster.

The RUNCMDs in the NetView CLISTs must be modified in the following manner for sending operator msgs (WTO) to the console window:

```
RUNCMD SP=<EOCF/2 workstation PU name>,  
        APPL=NVRUNCM2,  
        CLISTVAR=YES,  
        WTO <TPF host name> <text>
```

The RUNCMDs in the NetView CLISTs must be modified in the following manner for sending msgs to the TPF host (via the console window):

```
RUNCMD SP=<EOCF/2 workstation PU name>,  
        APPL=NVRUNCM2,  
        CLISTVAR=YES,  
        <TPF host name> <text>
```

**NVRUNCM2.EXE** may be obtained from your EOCF/2 support contact.

For more information please see the NetView Interface description in the formal document *EOCF/2 Corrective Service Diskette Guide*.

## **SENDFILE - Sending a File**

This utility allows you to send a file from your workstation to another workstation.

Please see the file **EOCF TOOL.DOC** in APPENDIX B.

## **GETFILE - Retrieving a File**

This utility allows you to copy a file from another workstation to your workstation.

Please see the file **EOCF TOOL.DOC** in APPENDIX B.

## **BOOTWKS - Remote Boot**

This utility allows you to boot another workstation.

Please see the file **EOCF TOOL.DOC** in APPENDIX B.

## **APPCTELL - Remote Message Display**

This utility allows you to display a full screen message on another workstation. The user at the remote workstation must press Enter in order to clear it from the screen.

Please see the file **EOCF TOOL.DOC** in APPENDIX B.

## **AREXEC - Remote Command Execution**

This utility allows you to run any full screen program on another workstation and view its output.

Please see the file **EOCF TOOL.DOC** in APPENDIX B.

## **VIEWRLOG - Viewing Another Workstation's Local Error Log**

This utility works similarly to the local error log browser EYNCERVL except that it allows you to browse the local error log of a remote workstation.

Please see the file **EOCF TOOL.DOC** in APPENDIX B.

## **WIMSHOW2.EXE - Workstation information display**

Used to display the information contained in the workstation information file from an OS/2 window or Fullscreen.

Please see the file **EOCF TOOL.DOC** in APPENDIX B.

## **ASUITE - CM/2 Tools for use with EOCF/2**

Communications Manager/2 Version 1.11 comes with 2 diskettes containing productivity aids for use with the product. Diskette 1 contains a README file with more information. The following tools are included in **ASUITE**. ASUITE is a group of programs which provide Communications Manager/2 SNA samples. Since an EOCF/2 configuration already includes SNA definitions for communications between workstations, these tools can be invaluable.

The following information is included in the README file on the Communications Manager/2 Version 1.11 Productivity Aids Diskette 1. Please refer to that file for installation instructions.

The **ASUITE** programs provided are the following:

- **APING**
  - A CPI-C program that should be the first program you configure and run when first configuring APPC on your computer. APING exchanges data packets with a partner computer, and times how long the data transfer takes. It can be used to get a coarse measure of the session setup time between two computers, and the throughput and turnaround time on that APPC session. APING can be used to determine whether a session can be set up between two computers, and will display extensive error information if session allocation fails.
- **ATELL**
  - A sample program that allows a workstation user to send a message to another workstation. ATELL is written in 'C' and uses the IBM SAA Common Programming Interface for Communications (CPI-C).
- **AFTP**
  - Enables you to transfer files across a network between any platforms that support APPC protocol and AFTP. In addition to file transfer, AFTP also provides a number of other functions, including directory listing and file manipulation, such as delete and rename. AFTP was designed to be a file transfer standard for APPC in the same way IND\$FILE is the standard for LU2 and FTP is the standard for TCP/IP.
- **ANAME**
  - Simplifies APPC/APPN network naming with a global facility that enables you to create aliases.
- **ATELNET**
  - Provides remote terminal capability. You can log on to a remote OS/2 workstation, establish a full-screen session, and start programs.



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## Chapter 3. Programming Enhancements (Available as APARs)

These programming enhancements are primarily modifications to the EOCF/2 base programs. There are also sample programs and packages.

There is an associated APAR.

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### CONSOLE

#### Default path for command files to make files easier to find

The default path for command files was C:\. Added an environment variable **EYNP\_COMMAND\_FILE\_DEFAULT\_DIR** which controls the default directory for the command files.

Please see the description of OS/2 environment variable **EYNP\_COMMAND\_FILE\_DEFAULT\_DIR**.

Please see the description of **APAR IC06443** in APPENDIX A.

#### Function added to restart the automatic console sessions

When automatic console sessions for a host are shutdown manually or a redundant workstation is not defined when a PWS fallback occurs, there was no function to restart the automatic console sessions. The only work-around was to shutdown the Automation Gateway (AG) and then restart it. This restart capability has been added.

Please see the description of **APAR IC06559** in APPENDIX A.

#### Image requester now has option for automatic FSC-PRC shadow of TA 00

TPF 3270 Console support does not support an MCS header and thus true terminal addresses. Customers have had problems when they accidentally open FSC-PRC which don't shadow TA 00. This is not a true "hot backup" console and won't allow input when TPF is under 1052 state. To avoid this problem, an option has been added to the console image requester to default to Shadow TA=00 and FSC-type of PRC when the FSC requester is specified with this option. The system administrator can then make this the only FSC requester option in the user's main menu.

Please see the description of **APAR IC06931** in APPENDIX A.

#### Copy to Clipboard

The <ALT-C> accelerator has been added which accesses the Copy to Clipboard function. Depending on the 'Settings' option selected, either the entire buffer of messages or just the messages visible on the console will be copied into the Clipboard. Other applications that support the 'Paste' function can then copy these messages out of the Clipboard.

Please see the description of **APAR IC11042** in APPENDIX A.

## New key to pause/unpause the console - stop scrolling

The EOCF/2 console window has been updated to allow the **PAUSE** key to pause and un-pause scrolling of a console window.

Please see the description of **APAR IC11350** in APPENDIX A.

## EYNPUTIL.EXE - Console Utility Program

EYNPUTIL.EXE is a console utility program which can be used to send function requests to a console. It can be invoked from an OS/2 Window or Fullscreen, or called from a program. CONSUTIL.COMD is a REXX program which invokes EYNPUTIL.EXE with the parameters passed to CONSUTIL.COMD and also display help for EYNPUTIL.

Help:

```
EYNPUTIL <complex> <cpuid> <TA> /R /F /H /I=<iconcolor> /MIN /MAX /RESTORE
```

<complex> - optional - the name of the host complex

<cpuid> - optional - the host cpuid

<TA> - optional - the Terminal address of the console window to refresh  
if this parameter is not used, all Consoles on the workstation with the complex and cpuid given will be refreshed.

/R - Refresh all the consoles which have the complex and cpuid specified.  
If the complex and cpuid are not specified then all EOCF/2 Consoles on the workstation will be refreshed.

/F - give focus to the console. If no TA is specified, the last EOCF/2 console with that host name which had focus will receive focus.  
If no host complex is specified, the last EOCF/2 console which had focus will get focus.

/H - Returns a bad parameters return code (10) so help can be displayed by the calling program.

/I=<iconcolor> - changes the icon color

where <iconcolor> may be WHITE, GREEN, YELLOW, or RED

This option is only valid if the environment variable EYNP\_ICON is set

/MIN - minimizes the console window.

This option is only valid if the environment variable EYNP\_ICON is set

/MAX - maximizes the console window.

/RESTORE - restores the console window.

/ARRANGE - arranges consoles on desktop.

/DELALLHELD - deletes all messages from the held message area

Please see the description of OS/2 environment variable **EYNP\_ICON**.

Please see the description of **APAR IC12039** in APPENDIX A.

## Operator can now execute a program from console window command line

A new function is required which will allow the operator (or an EOCF/2 automation program) to execute a program from the console window command line. This program can be an OS/2 command file (\*.CMD), an OS/2 REXX command file (\*.CMD), or an executable program (\*.EXE). In addition, the operator (or automation program) must be able to pass parameters to the program at execution

time. A new 32-bit console TP API DLL has been created (EYNPFEXE.DLL) which will allow the operator (or EOCF/2 automation program) to start programs from the console window command line. The install program EYNNCMU.EXE has been modified to define the TP program EYNPTMNE as PRESENTATION\_MANAGER instead of BACKGROUND. This was necessary to preclude errors when starting certain program types.

Please see the description of **APAR IC12047** in APPENDIX A.

## **DLLSAMPL - ZSTAT/core-block monitor/graph enhanced for TPF 4.1**

Message Id's for TPF 4.1 are changed from 7 to 9 characters. This includes the output message from ZSTAT, STAT0008I. Also with TPF 4.1 Put 4, the output message from ZSTAT is changed to STAT0010I. The Console TP API sample, DLLSAMPL, and Console Monitor API sample, MONSAMP4, use the output message from ZSTAT to display graphical charts of core block utilization. DLLSAMPL.DLL needs to be updated to support STAT0008I and STAT0010I. MONSAMP4.EXE needs to be updated to support STAT0010I. The sample program DLLSAMPL.DLL was modified to work with all versions of the ZSTAT output, STAT08I, STAT0008I, and STAT0010I. This way only 1 DLL needs to be loaded for multiple levels of TPF. DLLSAMPL.DLL was also updated to give the option of the bar graphs changing colors when certain percentages are reached. To allow this option DLLSAMPL.C must be recompiled with the /DBARCOLORCHANGE option. To build with this option see DLLSAMPL.M32 for more information or use DLLSAMPL.DL2 which is built with this option and included in this package. DLLSAMPL.DL2 must be renamed to DLLSAMPL.DLL. The console monitor sample program, MONSAMP4.EXE, was also updated to accept STAT0010I. The new source code, DLLSAMPL.C and MONSAMP4.C, is distributed with this apar.

Please see the description of **APAR IC12271** in APPENDIX A.

## **New key sequence can be used for console command line command retrieval.**

A new key sequence is available to allow operators to retrieve command line commands. With the EYNP\_SHIFT\_RETRIEVE environment variable set to 1, this will force operators to use the <shift> key for doing command retrievals. This option prevents operators from inadvertently pressing the <up arrow> key and then the <enter> key and entering a command which they may not have wanted to enter.

Please see the description of **APAR IC14928** in APPENDIX A.

Please see the description of **APAR IC22649** in APPENDIX A.

## **Command files can be resumed from any location in a command file.**

Operators can now select the line in a command file to "resume" from by double clicking on that line. This can be used to resume anywhere in a command file.

Please see the description of **APAR IC16525** in APPENDIX A.

## **Override AG port name on console window title bar**

Use environment variable SET EYN\_AG:

Please see the description of **APAR IC21536** in APPENDIX A.

## **Requirement to provide the EOCF/2 command line of greater than 100 characters**

The EOCF/2 Console Window can now support as many as 250 characters entered from the command line or automation.

Please see the description of **APAR IC28429** in APPENDIX A.

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## **DATA BASE LOGGING**

There are currently no programming enhancement APARs in this functional area.

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## **SHELL**

There are currently no programming enhancement APARs in this functional area.

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## **CAA**

There are currently no programming enhancement APARs in this functional area.

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## **AUTOMATION GATEWAY (AG)**

### **Added multilingual code pages, such as Kanji (Japanese) or Hongul (Korean)**

Running the 3270 AG and Service Processor Server on non-US or non-multilingual Code Pages, such as Kanji (Japanese) or Hongul (Korean) fails because of the code page. If the Multilingual (850) or US (437) code page is available on the workstation, it will be used for translations from the 3270 device to the PC.

Please see the description of **APAR IC06708** in APPENDIX A.

### **Override TPF complex name in output messages IPLB02I and DSID01I.**

Currently, the TPF host identification (enterprise.complex cpuid) is determined from TPF 3.1 output messages IPLB02I and DSID01I (IPLB0002I and DSID0001I in TPF 4.1). The <enterprise.complex> portion of the host id is obtained from TPF keypoint I. EOCF/2 requires unique host ids across the platform. While not a problem for production TPF systems, in a test environment, where all the test systems have the same host id, EOCF/2 will consider a second host with the same host id as an active host as a fallback and shutdown/reopen the first host's console window, renaming the console window title bar with a host id of 'UNKNOWN.UNKNWNnn A'. This phenomenon is very familiar to customers with multiple test systems. There should be a way to override the complex name with a user-defined value that would allow multiple TPF test systems to coexist with the same "internal" host ids. The solution is to support a new OS/2 environment variable which has user-defined complex names for each AG port. These complex

names will be used to override the complex name portion of the host identification in TPF output messages IPLB02I and DSID01I.

Please see the description of OS/2 environment variable **EYNG\_COMPLEX\_NAME**.

Please see the description of **APAR IC10901** in APPENDIX A.

## **AG can now override the FSC field of 3215 output MCS header**

For TPF systems configured with 3215 (1052) console support, EOCF/2 and TPF use an input/output MCS header to keep track of two things: (1) The LNIATA of the console window and (2) the functional characteristics of every output message. This second item (the functional characteristics) is stored in the FSC field of the output MCS header and is actually the value of the TPF ECB field CE1CRI. The FSC field of the output MCS header is used by EOCF/2 to (1) provide functional console support on the EOCF/2 platform (ie. TAPE, DASD, COMM, AUDT, etc.) and (2) to provide a means to log critical output messages. An example of the latter is the output responses to TPF input messages such as ZACOR and ZAFIL. In an unmodified TPF system, the output responses to these input messages would be flagged with the AUDT bit in the FSC field of the output MCS header and EOCF/2 would log these output messages in the message log data base even though the input messages are entered from an LNIATA other than prime CRAS. Some customers have modified their TPF systems so that the FSC field in the output MCS header does not contain meaningful information. Because the FSC bits are not valid, the AG improperly routes the output messages. For these customers, the AG must be changed so that it can override the FSC field in the output MCS header. The AG can now be configured so that it will override the FSC field in the output MCS header.

Please see the description of OS/2 environment variable **EYNG\_FSC**.

Please see the description of **APAR IC11201** in APPENDIX A.

## **(1) Customize hot backup console (2) Ignore TPF deact output msgs**

Two new requirements:

- Force the "hot backup" console windows (R/W, FSC=PRC, shadowing TA=00) to always use terminal address 00 in the input MCS header. Normally, the hot backup console windows will only use TA=00 when TPF is below 1052 state and will use their actual terminal addresses when at 1052 state and above. This implies that, normally, a hot backup console window will use TPF LNIATA 010000 when below 1052 state and TPF LNIATA 0100xx when at or above 1052 state. The reason for this new requirement is that some TPF sites have modifications in TPF which only allow LNIATA 010000 to enter certain input messages.
- The AG must be configured so that it will ignore the TPF deactivation output messages which are the responses to the TPF input message 'ZPSMS PR DEACT x'. These output message ids have the format PSMSxxxx. Normally, when the AG receives a TPF deactivation output message, it will send a "host status" message to the CAA which will result in the prime CRAS console window being shutdown and reopened with a host name of 'UNKNOWN.UNKNWNxx A'. In addition, any other console windows which happen to be open for this host will also be shutdown. The reason for this new requirement is that some customers have requested that the prime CRAS

console window (and all other associated console windows) remain open after a TPF deactivation.

Please see the description of OS/2 environment variable **EYNG\_FORCE\_TA\_00**.

Please see the description of OS/2 environment variable **EYNG\_IGNORE\_TPF\_DEACT**.

Please see the description of **APAR IC11896** in APPENDIX A.

## **Support for ISA 3270 card provided for AGs and SVP.**

Support for the ISA bus 3270 emulator cards is provided to the EOCF/2 Automation Gateways and Service Processors.

Please see the description of **APAR IC19597** in APPENDIX A.

## **Support for 9663-001 ESCON card provided for AGs.**

Support for the 9663-001 ESCON cards is provided to the EOCF/2 Automation Gateways.

Please see the description of **APAR IC19598** in APPENDIX A.

## **EOCF/2 AG supports hiding of characters**

Support was added to hide characters. This can be used for password support.

Please see environment variable **EYNG\_HIDE\_CHAR**.

Please see the description of **APAR IC21931** in APPENDIX A.

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## **INSTALL**

### **EOCF/2 now supports installation on a drive other than C:**

Prior to this enhancement, EOCF/2 required OS/2 to be installed on the C: partition. The install logic has been updated to allow EOCF/2 installs when OS/2 has been installed on a drive other than the C: drive. Other install enhancements were also made.

Please see the description of **APAR IC08710** in APPENDIX A.

### **OS/2 WARP support for EOCF/2**

Install was enhanced to support OS/2 WARP. Also, install checks software levels for the latest Communication Manager/2 and Database Manager/2.

Please see the description of **APAR IC10338** in APPENDIX A.

## Support added to EOCF/2 for DB2/2 version 2.1.

Updates have been added to the EOCF/2 installation program to support DB2/2 version 2.1 and greater.

Please see the description of **APAR IC13893** in APPENDIX A.

## Support added to EOCF/2 for DB2 Universal Database for OS/2

Updates have been added to the EOCF/2 installation program to support DB2 Universal Database for OS/2.

Please see the description of **APAR IC21773** in APPENDIX A.

## Support added to EOCF/2 for installation on Ethernet LANs

Updates have been added to the EOCF/2 installation program to support installations on ethernet LANs.

Please see environment variable **EYN\_ETHERNET**.

Please see the description of **APAR IC22105** in APPENDIX A.

## Support added to EOCF/2 for multiple SNA Network IDs

Updates have been added to the EOCF/2 installation program to support multiple SNA network IDs in one EOCF/2 configuration.

Please see the description of **APAR IC23322** in APPENDIX A.

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## MISCELLANEOUS

### Transfer/Upload needs different parameters for Japanese OS/2

Transfer/Upload function of EOCF/2 needs to allow different parameters on the SEND.EXE function because J OS/2 customers use APVUFILE instead of IND\$FILE.

Please see the description of **APAR IC06711** in APPENDIX A.

### A "command line" version of "Save Query to File" is available

The "Save Query to File" program, EYNDUPLS.EXE, should be modified so that it can be executed from the OS/2 command line. This implies that when the "Save Query to File" program is executed with command line parameters, it will NOT communicate via the current Presentation Manager dialog box and dialog popup messages. This function is required for the following reasons:

- To simplify the sample automatic archival and delete package (TLX)
- To allow the development of a new "Message Log Query" function which can be accessed from an EOCF/2 console window

Please see the description of **APAR IC11414** in APPENDIX A.



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## Chapter 4. Problems Fixed by APARs

These are primarily modifications to the EOCF/2 base programs but can also be fixes for sample programs.

There is an associated APAR.

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### CONSOLE

#### Excess errors (EYNPM3099E) logged from console

An unnecessary message EYNPM3099E is logged to the central error log if APAR IC06159 is installed. IC06159 is part of EOCF/2 CSD 2. This can be logged many times to the central error log, filling the database quicker and possibly affecting performance.

APAR IC06159 will cause these messages to be logged when non-standard messages are processed by the Console. Therefor many non-standard TPF messages will cause many errors to be logged.

Please see the description of **APAR IC06335** in APPENDIX A.

#### REXX API variable EYNPR\_Parameter max length should be 16 chars

The Console REXX API EYNPR\_Receive() will set a global REXX variable EYNPR\_Parameter used to pass the value in the parameter field of a console filter rule. The length of this field is 17 characters even though the maximum length of the console filter rule parameter field is only 16 chars.

The length of the EYNPR\_Parameter variable is set to the length of the console filter rule parameter field, 16.

Please see the description of **APAR IC06444** in APPENDIX A.

#### EYNPTMNE.EXE needs codeview info to trace user filter DLL program

Program EYNPTMNE wasn't compiled with the Codeview option.

This was changed to trace the DLLs.

Please see the description of **APAR IC06446** in APPENDIX A.

#### More than 255 EYNPR\_Open() calls fails - REXX API

When more than 255 EYNPT\_Open() or EYNPR\_Open() function calls are made from the same program, the function returns an error. A semaphore was not cleaned up properly, and the Open function call would log error 106 ERROR\_SEM\_USER\_LIMIT. These errors could also occur if more than 64K of message data was queued to be sent to a program. This happens most often when a REXX program can not keep up with a burst of data from the host.

A new version of EYNPQUE.DLL is provided which releases the semaphore correctly. More than 255 Opens can now be called. The REXX interface recovers properly from exceeding the 64K buffer.

Please see the description of **APAR IC06891** in APPENDIX A.

## **Automation programs only have one 64K buffer for receiving output**

Automation programs can only have 64K of messages buffered. This queuing limit is most often encountered with REXX programs which can not process messages as fast as TPF can generate them.

The first three characters of a queue name now specify the total number of 64K segments to be used for the queue. If no number is specified, then the default of 1 is used.

Please see the description of **APAR IC07371** in APPENDIX A.

## **Console TP (EYNPTMNE.EXE) abends when running large user written DLL**

Console TP (EYNPTMNE.EXE) abends when running a large user written DLL using the TPDLLS.DAT and EYNPFMON.DLL interface. A trap from DOSCALL1.DLL can also occur. User written DLLs that are loaded with TPDLLS.DAT and EYNPFMON.DLL use the stack allocated in EYNPTMNE.EXE. If too much stack is used in a DLL, a TRAP can occur.

The stack has been increased in EYNPTMNE.EXE. Care must still be taken to avoid running out of stack space in this executable. As with any program, large arrays of variables should be allocated by the program with the OS/2 DosAllocMem API rather than putting them on the stack.

Please see the description of **APAR IC07556** in APPENDIX A.

## **EYNPTAPI.H in the TP API incorrectly defines EYNPF\_Refresh()**

The header file EYNPTAPI.H in the console TP API package incorrectly defines the external user function EYNPF\_Refresh(). The hReserved parameter should be changed to phConsole.

The header file EYNPTAPI.H was changed to define the second parameter passed to the EYNPF\_Refresh() routine as a pointer to a console handle (phConsole). EYNPFMON.C was also modified to use the EYNPF\_Refresh() routine to send an output message to the console window each time the console window user profile is refreshed.

Three files were changed in MULTIDLL.ZIP: EYNPFMON.C (C source code), EYNPFMON.MAK (16-bit make file) and EYNPFMON.M32 (32-bit make file). One new file was added to MULTIDLL.ZIP: EYNPFMON.D32 (32-bit module definition file). The MULTIDLL.ZIP file is located in the directory \DISK06 on the EOCF/2 Fixpack diskettes.

Please see the description of **APAR IC08779** in APPENDIX A.

## **Trap sometimes occurs when operator exits command file utility**

A TRAP-D can sometimes occur in EYNPCNSL.EXE when the operator exits the command file utility. This occurs most often when the operator closes the command file window with the CLOSE option of the system menu. The trap is actually taken in the OS/2 Presentation Manager file PMWIN.DLL.

A memory segment was being released prematurely. Most of the time this is valid but on some occasions an additional call to OS/2 Presentation Manager is made which results in the TRAP-D exception. This has been corrected.

Please see the description of **APAR IC09056** in APPENDIX A.

## **TRAP during console session startup**

Most of the time, the trap is not taken on the first console session startup on a workstation, but is taken on subsequent console session startups. When multiple console windows are started on a workstation, sometimes a TRAP-D is taken out of EYNPCNSL.EXE. The trap usually does not occur during the first console session startup; it usually occurs on the second or subsequent console session startup. The trap actually occurs in DOSCALL1.DLL or APPC.DLL during Communications Manager TP\_STARTED processing.

The TP\_STARTED processing in EYNCVERB.DLL has been modified for EYNPCNSL.EXE to prevent the TRAP-D.

Please see the description of **APAR IC09092** in APPENDIX A.

## **Divide by zero exception in EYNPCNSL.EXE (EYNPDISP.DLL)**

When adjusting the size of a console window, it can trap when recalculating the size of the new window. This can be identified by looking in EYNPCNSL.TRP for a divide by zero error. Also, if the scrollbar is clicked on, but not moved, the message area would indicate that scrolling was active.

The console window resizing routine was corrected to avoid division by zero. The scroll bar routine has been corrected so that scrolling state is only entered when the scroll bar is actually moved.

Please see the description of **APAR IC09305** in APPENDIX A.

## **If API send macros executed during refresh, console session aborted**

If a user-written console API program attempts to send an input message to the host (via EYNPT\_Send or EYNPR\_Send) during the console profile refresh phase of console session startup, then the Automation Gateway (AG) will abort the console session. The console session is torn down because the AG has not yet received the final messages required to complete the console startup. A temporary work-around is for the user-written application program to delay the send of the input message (EYNPT\_Send) for a few seconds so that console startup has time to complete.

Until console startup is complete, the console TP program, EYNPTMNE.EXE, should NOT retrieve elements from the input queue which are console API requests. After console startup is complete then console TP can resume normal

FIFO processing of the input queue. This will, in effect, delay the console API requests (EYNPT\_Send and EYNPR\_Send) until the console is fully active.

Please see the description of **APAR IC10191** in APPENDIX A.

## **Window List and Console Window Title Do Not Agree**

When an EOCF/2 console window is refreshed with a user profile, the window list is not updated with the id of the new profile. Instead, it retains the id of the previous profile that was applied. Also the S00 option of the console window requester does not work properly if the CAA database was created with DB2/2. The S00 option is used to force the FSC requester to pre-select PRC and Shadow TA:00.

The window list is now properly updated when a new user profile is applied to the console. The S00 option has been fixed to properly pre-select PRC as the FSC.

Please see the description of **APAR IC11517** in APPENDIX A.

## **Several threads of TP program (EYNPTMNE.EXE) need larger stacks**

Several threads of the console TP program, EYNPTMNE.EXE, were found to have stacks that need to be increased in size. These threads are contained in the file EYNPFMEM.DLL. This will prevent traps from occurring as a result of increased stack usage.

The stacks that are used by the threads contained in file EYNPFMEM.DLL have been increased in size.

Please see the description of **APAR IC11798** in APPENDIX A.

## **Sample pgm NVFRMTPF.EXE logs too many errors when Netview fails**

If the communications link to Netview goes down, every attempt to send a message up to Netview is logged until the link comes back up. If all console messages are being sent to Netview this will cause many errors to be logged, utilizing resources on the EOCF/2 workstations. Also, the CSMP971 message is verified for correct form.

NVFRMTPF.C has been changed to log only 1 error to the central error log if the communications link to Netview goes down. The Console will still show errors for each attempt to send a message to Netview. If the link comes back up and then down, again only 1 message will be logged to the central error log during the time the link is down. Also, the CPU- field of the CSMP971 message is now verified for correctness before using it to build the message to be sent to Netview. If a trace (central error log message) is needed for the CSMP971 message add #define TRACE\_CSMP971 to NVFRMTPF.C and recompile.

Please see the description of **APAR IC09098** in APPENDIX A.

## **Numeric keypad does not work correctly with Num Lock on.**

The numeric keypad keystrokes on a console window do not work correctly if the Num Lock key is on for a workstation.

Please see the description of **APAR IC17111** in APPENDIX A.

## **Problem with console filter rule message IDs with lower case letters.**

Console filter rules were not correctly sorted in the console filter rule tree for messages with message IDs defined in lower case letters.

Please see the description of **APAR IC17542** in APPENDIX A.

## **Trap from console and query functions**

A large number of fonts loaded on a workstation could cause traps from the console window and query functions.

Please see the description of **APAR IC23194** in APPENDIX A.

## **Limitation for console script files of 64 K in size**

An appropriate message is now displayed if an attempt is made to use a console script file larger than 64 K.

Please see the description of **APAR IC25287** in APPENDIX A.

## **Out of memory on console API sending to operator**

When many EYNPR\_SEND() or EYNPT\_SEND() API calls are made to send messages to the console screen (such as RAVEN's AUTO HELP command), out of memory conditions may occur. An OS/2 base system API (DosSubAlloc) error occurred. Return code 311-ERROR\_DOSSUB\_NONE could not suballocate the shared segment. After that, an EYNXX2003E error occurred because there is not enough memory to complete the process.

This has been corrected by increasing the buffer size.

Please see the description of **APAR IC25517** in APPENDIX A.

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## **DATA BASE LOGGING**

There are currently no APARs in this functional area.

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## **SHELL**

### **When OS/2 Option was closed, sometimes other programs were exited**

When the OS/2 Option was opened from the EOCF/2 Main Menu and then closed, sometimes EOCF/2 or various system programs (ie. Comm Mgr SNA Subsystem or DB2/2) were also exited. This usually resulted in traps out of EYNSLOG.EXE or SQLC.DLL. If Comm Manager was affected then all communications with the affected workstation were disabled.

The program EYNSOS2.EXE was incorrectly closing the OS/2 Option, which sometimes resulted in the closing of other programs in addition to PMSHELL.EXE. The program has been changed to close the correct program only (PMSHELL).

Please see the description of **APAR IC08835** in APPENDIX A.

## If EOCF/2 Main Menu maximized, then minimized, programs will not start

If the EOCF/2 Main Menu is maximized, minimized, and then restored, programs can not be started until the window is resized.

Logic in the EOCF/2 Main Menu was corrected to allow programs to be started whenever the window is visible.

Please see the description of **APAR IC10815** in APPENDIX A.

## OS/2 Option does not appear in the Window List

When the OS/2 Option is running, it should appear in the Window List. This enables it to be selected and shutdown without the icon having to be found. This is especially useful if the icon is in the Minimized Window Viewer.

The OS/2 Option now appears in the Window List. If it is selected, you are asked to confirm that you wish to shutdown the OS/2 Option.

Please see the description of **APAR IC12073** in APPENDIX A.

## Problems starting applications from the EOCF/2 Main Menu

This was often seen when starting the Save Query to File function.

Please see the description of **APAR IC22764** in APPENDIX A.

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## CAA

### Shutdown conditions

Two CAA shutdown conditions associated with the database logging history table entries were corrected.

Please see the description of **APAR IC27201** in APPENDIX A.

Please see the description of **APAR IC27820** in APPENDIX A.

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## AUTOMATION GATEWAY (AG)

### Miscellaneous 3270 and 3215 host output parsing errors

The following miscellaneous parsing errors have been corrected.

- For 3270 console, after ZPSMS PR DEACT and re-IPL, the first IPL message might not be parsed correctly causing it to not be routed to automation.
- For 3270 console, IPL messages are not parsed correctly after ZRIPL.
- For 3215 console, IPL messages are not routed to Prime CRAS if they are not parsed correctly.
- Capture/Restore messages are not parsed by EOCF because of the non-standard format. For TPF 3.1 they are of the format:  
09.08.41-FCAP-021-Tape 422..... EOCF will recognize this as a message ID

of FCAP021. This parsing logic applies to messages for FCAP and FRST for this format of message.

Please see the description of **APAR IC06252** in APPENDIX A.

## **On Japanese OS/2, shutting down the AG or CAA can cause a trap**

Traps may occur from AG or CAA shutdown when running on Japanese OS/2. The trap from AG shutdown occurred in stack checking and the trap from CAA shutdown occurred in exit processing.

The stack size for both the AG and CAA shutdown were increased. Also, the CAA shutdown exit processing was changed.

Please see the description of **APAR IC06710** in APPENDIX A.

## **3270 host program checks are not passed to the EOCF/2 console.**

3270 PROG errors (host program checks) are not passed on to the EOCF/2 console. Also, duplicate lines from 3270 screens can be mistakenly passed to EOCF console. When a host application sends invalid characters to the TPF console, if the 3174 is not set to translate these characters to a printable character, then a PROGxxx error is generated on a 3270 terminal. The PROGxxx error was not displayed on an EOCF/2 console. Also, lines received from a TPF host can generate multiple copies of the same line on an EOCF Console.

PROGxxx errors when received from a 3174 are now displayed on the EOCF/2 console with message EYNG0101E. Also, if the connection to the 3174 is lost, an EYNG0102E message is generated. (This is the equivalent of COMMxxx errors on Communication Manager 3270 windows.) The parsing logic was corrected to send output messages only once to the EOCF console.

Please see the description of **APAR IC06919** in APPENDIX A.

## **Device parameter definition errors can cause workstation hang**

The following three Automation Gateway definition errors resulted in a hung Automation Gateway workstation. 1) Response file (Z\*.DAT) defined for the TPF Simulator but the file is not present on the AG workstation. 2) Incorrect slot number defined for a MMC card. 3) When an automatic session is defined on a workstation which is not active (and also has NO redundant workstation defined) the AG workstation will hang when the AG starts up and attempts to place the automatic session console window on the inactive workstation.

In EYNGENTR.EXE, decreased the error timeouts to allow the AG to recover much quicker from definition errors. Prior to this fix, the AG startup could take a very long time if device parameter definition errors were encountered.

Please see the description of **APAR IC07511** in APPENDIX A.

## **New MMC device driver required for EOCF/2.**

The new device driver fixes three problems with EOCF/2 support of the MMC adapter. 1) Under some conditions, high TPF message output could cause TPF to fallback prime CRAS. 2) With two MMC adapters installed, an IPL on one TPF system could affect the operations of another TPF system using the second MMC adapter. 3) Error information has been updated.

Problems 1 and 2 have been fixed by a new device driver. Problem 3 has been fixed by updating error logging segments in EOCF/2.

Please see the description of **APAR IC08024** in APPENDIX A.

## **For 3215 console support (MMC) host interface errors can occur**

During periods when there are many host output messages, MMC host interface errors can occur if many input messages are entered from the console windows. This "collision" of input and output messages, in some cases, can result in MMC host interface errors.

The program EYNGHOST.EXE has been modified to "throttle" the rate at which input messages from the console windows are queued to the host interface layer of code.

Please see the description of **APAR IC09263** in APPENDIX A.

## **EYNGHOST.EXE traps with an Access Violation exception**

EYNGHOST.EXE can take an Access Violation because it runs out of stack space.

Additional stack space was added for EYNGHOST.EXE. In addition, the TPF output delay on console startup was also decreased.

Please see the description of **APAR IC09319** in APPENDIX A.

## **If 8 Device Attachments and 8 AGs defined, the 8th AG will not start**

If eight Device Attachments and eight Automation Gateways are defined in Workstation Management for a single workstation, only seven AGs will successfully start. The eighth AG will fail during startup on a DosSubAlloc() in EYNGHOST.EXE. The failure actually occurs in EYNGCAA.DLL, which contains the routines used by the EYNGHOST.EXE programs to communicate with the CAA. This communication is accomplished through shared memory segments between program EYNGTCAA.EXE and the EYNGHOST programs. The 64K pool allocated by EYNGTCAA is not large enough to service all 8 AGs (EYNGHOSTs).

The size of the request for shared memory (DosSubAlloc) by EYNGHOST when retrieving the AG port's device parameters has been decreased. This will allow all eight AGs to start successfully.

Please see the description of **APAR IC10759** in APPENDIX A.

## Loss of EOCF/2 console cmd line input with 3270 AG

Input from an EOCF/2 Console can possibly be lost for a system with the 3270 AG if the 3270 cursor position is bad. This cursor position can not be seen by the EOCF/2 console user and an update to the EOCF/2 3270 interface is required.

The EOCF/2 3270 AG interface for TPF mode [#TPF] has been updated to correct this problem. If a command is to be sent into TPF and the cursor is not already at a proper input field the cursor is moved before the command is entered so the command is not lost. Also the EOCF/2 3270 screen dump utility (EYNCT3DB) was updated to include a message indicating if the cursor is currently at an input field according to 3270 attributes. This updated EYNCT3DB should be run on the AG to dump 3270 screen information in the event a problem occurs with command line input. The dump is only useful if run during the time of the problem. Usage: EYNCT3DB <3270 adapter #> -dump

Please see the description of **APAR IC11549** in APPENDIX A.

## Many TPF bell characters may cause EOCF/2 console to slow down.

Many TPF bell characters may cause the EOCF/2 console running through an automation gateway to slow down. This problem would only occur on TPF systems which are defined to have non-native (3215) console support. As each message would come into the automation gateway with the bell character in the text, the buffer queues containing these messages would not be processed correctly. As a result, there would be an eventual depletion of available message buffers which would result in a slowdown of all the console sessions for that automation gateway.

Please see the description of **APAR IC15322** in APPENDIX A.

## New version of the MMC microcode is available.

A new version of the MMC microcode (PSCA.ABS) is available which eliminates many of the unit check, sense 20, status' presented to TPF on the 1052 PRC. Without this update to the MMC microcode, the TPF console may take unnecessary console fallbacks on occasion.

Please see the description of **APAR IC19673** in APPENDIX A.

## Multiple IPLs without input to the 9663-001 can cause fallback or IPL dump on TPF

A new version of the 9663-001 microcode (SNOW960.ABS) corrected this problem.

Please see the description of **APAR IC25552** in APPENDIX A.

## New Serial Engine Code for the 9663-001 card

Update the Serial Engine Code provided with EOCF/2 with the latest Serial Engine Code (SNOWMCM.EXE). This corrects a TPF console fallback condition in which an automatic fallback to the alternate PRC address occurs and leaves the original Automation Gateway inoperative until the AG is rebooted.

Please see the description of **APAR IC29663** in APPENDIX A.

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## DATA BASE LOGGING

There are currently no APARs in this functional area.

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## INSTALL

### Cannot connect T/R adapter 0 to Ring 2 and T/R adapter 1 to Ring 1

When an EOCF/2 workstation is defined in Workstation Management with T/R LAN adapter 0 (primary) attached to Ring 2 and T/R LAN adapter 1 (alternate) attached to Ring 1, the installation of this workstation will fail. The APPC sessions will not be activated, even though the CM/2 links are operational. In addition, if this workstation is defined as a CAA, CAA server startup and notification can fail.

The modules which still check for ring number matches have been modified to eliminate these checks. The EOCF/2 APPC code should not have to "know" which CM/2 link to use (or which T/R LAN adapter to use). These decisions should be left to CM/2 and LAPS. In addition, the workstation information file EYNAINFO.DAT is now closed after it is opened in "read-only" mode.

Please see the description of **APAR IC10646** in APPENDIX A.

### WARP and additional applications may cause out of memory condition

When EOCF/2 is run on OS/2 WARP with other applications running as well, an out of memory error may occur. In this case there is plenty of RAM and hard disk space (swapper space) available but out of memory errors persist. This is due to the fact that no more OS/2 arena records are available.

EOCF/2 installation program has been changed to use new values for database manager which use many less arena records.

Please see the description of **APAR IC11001** in APPENDIX A.

### EOCF/2 Install can create an invalid \CMLIB\EYNCMLIB.NDF file

If there are too many spaces following an LU name in an EYNCMLIB.NDF file, EOCF/2 Installation and Configuration has problems processing the file. Sometimes an invalid EYNCMLIB.NDF file is created, and sometimes EYNNCMU.EXE traps.

The EOCF/2 Installation and Configuration program can now handle the extra spaces on an LU name in an EYNCMLIB.NDF file. A valid EYNCMLIB.NDF file will be created.

Please see the description of **APAR IC11889** in APPENDIX A.

### MMC device drive fails to load on a PC 320 133 mhz machine.

The MMC device driver fails to load on a PC 320 with a 133 mhz Pentium processor. It would also fail on any workstation with a Pentium processor which is faster than 133 mhz. The timeout routine in PCADD.SYS would run based on a loop counter rather than based on any timeout value. With the faster processors, the loop counter would timeout too quickly and the process would terminate before

the MMC device driver actually installed. The routine was changed to be independent of the CPU speed.

Please see the description of **APAR IC14460** in APPENDIX A.

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## MISCELLANEOUS

### Several problem with sample program UPLOAD

The UPLAOD STOP command does not stop the sample program UPLOAD.EXE. Also, the UPLOAD program hangs when the PC clock changes hours. At signs (@) are also not handled properly.

The UPLOAD STOP command has been fixed to make the program stop. When the hour changes on the PC, the file being uploaded to the host now changes correctly. The processing of at-signs (@) could hang the program, and this has been fixed.

Please see the description of **APAR IC06712** in APPENDIX A.

### Workstation Management should allow all token ring address ranges.

Burnt in token ring address can not be used in Workstation management. Early versions of LAPS only allowed token ring addresses in the range from 400000000000 to 7FFFFFFFFFFF. All 12 digit addresses are now allowed in LAPS. (LAN Adapter and Protocol Support) Customers have requested to be able to use the burnt in address of token ring cards, which usually start with 1000 as the first four digits.

Workstation Management will now allow all 12 digit addresses to be entered. This is consistent with LAPS.

Please see the description of **APAR IC07007** in APPENDIX A.

### Incorrect fonts used by some EOCF/2 administrative applications

In several EOCF/2 programs, system proportional fonts were used instead of system monospaced fonts. In some cases this resulted in displays of data that were hard to read. In other cases, 12-point system monospaced font was requested but, because OS/2 2.x and 3.x only support the 10-point system monospaced font, the 12-point system proportional font was substituted by OS/2.

Requests for the 12-point system monospaced font were replaced with requests for the 10-point system monospaced font. Where applicable, requests for the 12-point system proportional font were replaced with requests for the 10-point system monospaced font.

Please see the description of **APAR IC07372** in APPENDIX A.

## Traps in user DLLs are not recognized by the exception handler

Traps that are taken in user-written DLLs defined by TPDLLS.DAT are not recognized by the current exception handler. The exception handler creates the trap files <exename>.TRP in the directory x:\EOCF\BIN. TPDLLS.DAT is a file used to list user-written DLLs that are loaded when the user profile of a console window is refreshed. If a trap occurs in one of these DLLs, the current exception handler does not contain any information about these DLLs. For this reason, it is difficult to determine which user-written DLL has trapped.

The exception handler should be updated to read the file TPDLLS.DAT and place all necessary information about these user-written DLLs in the trap file (<exename>.TRP). The exception handler should also be updated to read in the new file TPDLLS.LST, which should be used to list any additional DLLs that are loaded by the DLLs listed in TPDLLS.DAT. TPDLLS.DAT and TPDLLS.LST should reside in the directory x:\EOCF\BIN and have the same format.

Please see the description of **APAR IC08167** in APPENDIX A.

## TPFDF uses the "vertical bar" char (EBCDIC X'4F') for ZUDFM

When the vertical line is entered from EOCF/2 (dashed vertical on keyboard), an EBCDIC X'6A' is sent in to TPF. The vertical line (dashed vertical on keyboard) being sent in to TPFDF as 6A is not recognized by TPFDF as the vertical line and thus the command fails. There is no way to send in the EBCDIC X'4F' without changing EOCF/2. A change could have been made within TPFDF to use a different (standard) character for ZUDFM. The DBENUFB equate in the ACPDBE macro could be changed to another character. UFBJ, UFBM, UFB4, UFB6, UFD1 use that equate and would need to be reassembled. This TPFDF change is NOT needed with this EOCF/2 APAR applied.

The EOCF/2 3215 AG (MMC) was changed to translate the vertical bar (dashed on keyboard, ASCII X'7C') to EBCDIC X'4F'. Also, for output to an EOCF/2 console the EBCDIC X'4F' will now display as a vertical bar.

Please see the description of **APAR IC09344** in APPENDIX A.

## In 32-bit mode, the Session Svcs API returns incorrectly

In 32-bit mode, the two Session Services API calls EYNA\_SC\_Close() and EYNA\_SIP\_Close() always return the value EYNA\_ERR\_PARAMS even when the input parameters are valid. This is caused by incorrect definitions of these two calls in the header file EYNASSVC.H for 32-bit compilation. 16-bit programs are not affected.

The header file EYNASSVC.H has been modified to correctly define the Session Services calls EYNA\_SC\_Close() and EYNA\_SIP\_Close() for 32-bit compilation.

Please see the description of **APAR IC09379** in APPENDIX A.

## **OS/2 harderr popup if trap taken on an EOCF/2 wks with CD-ROM**

When a trap is taken in an EOCF/2 component, the EOCF/2 exception handler gets invoked. Part of the exception handler's processing is to determine the free space on all local disks/partitions. This processing is currently including CD-ROM drives, which is incorrect. Because of this, the OS/2 harderr popup is invoked which requires operator intervention in order to continue processing.

The EOCF/2 exception handler has been updated to disable the harderr processing while examining the attached local drives/partitions. This will prevent the harderr popup which requires operator intervention.

Please see the description of **APAR IC09796** in APPENDIX A.

## **Traps can occur in EYNCERP2.DLL when EYNC\_LogError() is executed**

When a user-written 32-bit EOCF/2 application program (\*.EXE or \*.DLL) issues the EOCF/2 API call, EYNC\_LogError(), sometimes a trap will occur in EYNCERP2.DLL. These traps are unpredictable and do NOT occur in 16-bit programs.

It was found that if the 32-bit EOCF/2 program EYNCERP2.DLL was compiled with a later release of the C compiler, the traps no longer occurred. It is recommended that user-written 32-bit programs should be compiled with the C SET++ compiler or later.

Please see the description of **APAR IC10414** in APPENDIX A.

## **Updates to EOCF/2 executables for Year 2000 compliancy.**

Updates have been made to a few EOCF/2 executable modules to make EOCF/2 be year 2000 compliant. In addition to these EOCF/2 updates, customers need to migrate to at least the following levels for the EOCF/2 prerequisite software: OS/2 Version 4, Communications Manager/2 version 1.1, and Database Manager/2 version 2.1.

Please see the description of **APAR IC15974** and **APAR IC23505** in APPENDIX A.

## **Deleting a console from the Window List may close all consoles**

Hitting the delete key or selecting "close" from the Window List (CTRL-ESC) on an operator-opened EOCF/2 console causes all the console windows to disappear. EYNPCNSL has been corrected to make sure just the correct console window selected is closed.

Please see the description of **APAR IC16523** in APPENDIX A.

## **Display Workstations Attached Database Utilities function may fail**

On a DB2/2 version 2.1 or later workstation when a Database Utilities Display Workstations Attached function is run for a local database, the thread may exit and cause the Database Utilities window to disappear. Program EYNMDBUM.EXE has been changed to avoid this problem.

Please see the description of **APAR IC21354** in APPENDIX A.

| **Central Error Log Query may display incorrect time for non-DST**  
| **location**

| Please see the description of **APAR IC24669** in APPENDIX A.

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## Chapter 5. OS/2 Environment Variables for EOCF/2

A complete list of OS/2 environment variables which can be used to customize (or change the processing of) the EOCF/2 base programs and sample programs.

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### CONSOLE

#### EYNP\_COMMAND\_FILE\_DEFAULT\_DIR

Controls the default directory for the command files.

- **SET EYNP\_COMMAND\_FILE\_DEFAULT\_DIR= (or absent)**
  - The directory defaults to C:\.
  - This is the default setting.
- **SET EYNP\_COMMAND\_FILE\_DEFAULT\_DIR=<directory>**
  - This directory will be searched during the first invocation of the command file dialog box.

Please see the description of **APAR IC06443** in APPENDIX A.

#### SET EYN\_AG:agname\_n

**SET EYN\_AG:agname\_n=title bar string**

where:

agname	=	AG workstation name
n	=	AG port number (a 1-digit number)
title bar string	=	A string to replace the current AG:agname port that is in the default title bar. Note: depending on the type of console, there may only be room for a string of size 17 to 36 characters. Additional characters will be truncated. Also note the OS/2 Task List can hold even fewer characters than the console title bar.

examples:

```
SET EYN_AG:TPFAG_1=Sub 50
This will alter the title bar for the AG console
session for AG TPFAG, port 1, to replace the
current AG: TPFAG 1 string with the string
'Sub 50'
```

```
SET EYN_AG:AG5_3=AG: AG5 3 Sub 50
This will alter the title bar for the AG console
session for AG AG5, port 3, to replace the
current AG: AG5 3 string with the string
'AG: AG5 3 Sub 50'
```

Please see the description of **APAR IC21536** in APPENDIX A.

## EYNP\_WINLOCKTHRESH

Controls the rate that host output messages are received at the console window.

- **SET EYNP\_WINLOCKTHRESH=10 (or absent)**
  - When 10 output messages are buffered for the console, they will be sent "all at one time" instead of one at a time.
  - This is the default setting.
  - This increases the rate at which output messages arrive in the console window.
- **SET EYNP\_WINLOCKTHRESH=<number of buffered msgs>**
  - If this number is set very high (ie. 30000) then the output messages will always be sent to the console window one at a time.

## EYNP\_ICON

Allows a console window to be minimized.

- **SET EYNP\_ICON= (or absent)**
  - The console windows cannot be minimized.
  - This is the default setting.
- **SET EYNP\_ICON=1**
  - Allows the console windows to be minimized.

Please see the description of **APAR IC12039** in APPENDIX A.

## EYNP\_SHIFT\_RETRIEVE

Force console command line command retrieval to use shift key.

- **SET EYNP\_SHIFT\_RETRIEVE= (or absent)**
  - Does not enable the <shift> <arrow> keys to be used for command retrieval.
  - This is the default setting.
- **SET EYNP\_SHIFT\_RETRIEVE=1**
  - Enable the <shift> <arrow> keys to be used for command retrieval.

Please see the description of **APAR IC14928** in APPENDIX A.

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## DATA BASE LOGGING

### EMN\_FUL\_DELETECOUNT

For a primary or duplicate transaction log, the number of records to be deleted before a DB2/2 COMMIT is issued.

- **SET EMN\_FUL\_DELETECOUNT=200 (or absent)**
  - A DB2/2 COMMIT will be issued each time 200 records have been deleted.
  - This is the default setting.
- **SET EMN\_FUL\_DELETECOUNT=<number of records>**
  - A DB2/2 COMMIT will be issued each time <number of records> have been deleted.
  - Setting this to 50 forces more DB2/2 COMMITs, which slows archiving of databases, but gives other applications better chances at getting access to the database. This lower value can prevent data base logging session errors when archiving is occurring simultaneously.

## EMN\_UAL\_DELETECOUNT

For the user audit tables of the CAA database, the number of records to be deleted before a DB2/2 COMMIT is issued.

- **SET EMN\_UAL\_DELETECOUNT=200 (or absent)**
  - A DB2/2 COMMIT will be issued each time 200 records have been deleted.
  - This is the default setting.
- **SET EMN\_UAL\_DELETECOUNT=<number of records>**
  - A DB2/2 COMMIT will be issued each time <number of records> have been deleted.
  - Setting this to 50 forces more DB2/2 COMMITs, which slows archiving of databases, but gives other applications better chances at getting access to the database.

## EMN\_UDL\_DELETECOUNT

For a user-defined data base, the number of records to be deleted before a DB2/2 COMMIT is issued.

- **SET EMN\_UDL\_DELETECOUNT=200 (or absent)**
  - A DB2/2 COMMIT will be issued each time 200 records have been deleted.
  - This is the default setting.
- **SET EMN\_UDL\_DELETECOUNT=<number of records>**
  - A DB2/2 COMMIT will be issued each time <number of records> have been deleted.
  - Setting this to 50 forces more DB2/2 COMMITs, which slows archiving of databases, but gives other applications better chances at getting access to the database.

## EMN\_ERL\_DELETECOUNT

For the central error log tables of the CAA database, the number of records to be deleted before a DB2/2 COMMIT is issued.

- **SET EMN\_ERL\_DELETECOUNT=200 (or absent)**
  - A DB2/2 COMMIT will be issued each time 200 records have been deleted.
  - This is the default setting.
- **SET EMN\_ERL\_DELETECOUNT=<number of records>**
  - A DB2/2 COMMIT will be issued each time <number of records> have been deleted.
  - Setting this to 50 forces more DB2/2 COMMITs, which slows archiving of databases, but gives other applications better chances at getting access to the database.

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## SHELL

There are currently no OS/2 environment variables for this functional area.

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## CAA

There are currently no OS/2 environment variables for this functional area.

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## AUTOMATION GATEWAY (AG)

### EYNG\_CONFIRM\_TIMEOUT

Controls the amount of time the AG will wait for a confirmation a console program or from a database logging program.

- **SET EYNG\_CONFIRM\_TIMEOUT=120 (or absent)**
  - The AG will wait for 120 seconds (two minutes) for confirmation before aborting the console or database logging session.
  - This is the default setting.
- **SET EYNG\_CONFIRM\_TIMEOUT=<number of seconds>**
  - The AG will wait for <number of seconds> for confirmation before aborting the console or database logging session.

### EYNG\_DISABLE46W

Turns on/off AG parsing error logging for all ports on the workstation. This environment variable is global for the workstation - all AG ports on the workstation are affected.

- **SET EYNG\_DISABLE46W=1**
  - The AG will **NOT** log host output message parsing errors to the central error log.
  - This is the default setting.
- **SET EYNG\_DISABLE46W= (or absent)**
  - The AG will log all host output message parsing errors to the central error log.

Please see the description of **APAR IC08710** in APPENDIX A.

### EYNG\_INPUT\_MSG\_PAUSE\_MSEC

Used to lessen the number of input/output message collisions. The recommended initial value is 250 milliseconds (one fourth second). This environment variable is global for the workstation - all AG ports on the workstation are affected.

- **SET EYNG\_INPUT\_MSG\_PAUSE\_MSEC= (or absent)**
  - The AG will not pause before entering input messages.
  - This is the default setting.
- **SET EYNG\_INPUT\_MSG\_PAUSE\_MSEC=<milliseconds>**
  - The AG will pause for the specified time before entering input messages.

Please see the description of **APAR IC09263** in APPENDIX A.

### EYNG\_COMPLEX\_NAME

- **SET EYNG\_COMPLEX\_NAME= (or absent)**
  - The AG will not override any TPF complex names.
  - This is the default setting.
- **SET EYNG\_COMPLEX\_NAME=nn-name,nn-name,....,nn-name**
  - nn = AG port number (a 2-digit number in the range 01-99)
  - name = override complex name (a 1-8 alphanumeric value)
  - The AG port entries must be separated by commas and there can be any number of port definitions. Currently, EOCF/2 only supports 8 AG ports, so only values 01-name thru 08-name are applicable, even though port values

up to 99 are allowed in the environment value. You only need to supply the required values. For example, if you have an AG with 5 ports configured but you only want to override the complex names for ports 1 and 4 you would code the following environment variable:

- SET EYNG\_COMPLEX\_NAME=01-TEST1,04-TEST4
- Only the <complex> portion of the host id will be modified. For example, if the <enterprise.complex> portion of the host id in keypoint I is configured as DANBURY.TPFNET and you code an override complex name of 03-TEST then the <enterprise.complex> portion of the host id will become DANBURY.TEST for AG port 3.

Please see the description of **APAR IC10901** in APPENDIX A.

## EYNG\_FSC

- **SET EYNG\_FSC= (or absent)**
  - The AG will not override the FSC fields of the output MCS header.
  - This is the default setting.
- **SET EYNG\_FSC=AUDT**
  - AG will turn on the AUDT bit (and turn off all other bits) in the FSC field and continue normal processing.
  - Effects of the 'AUDT' setting:
    - FSC support on the EOCF/2 platform is available only for the AUDT functional area.
    - All output responses to input messages will be logged to the message log data bases no matter which console window was used to input the message to TPF.
- **SET EYNG\_FSC=IGNORE**
  - AG will assign the value '0000' to the FSC field and continue normal processing.
  - Effects of the 'IGNORE' setting:
    - FSC support on the EOCF/2 platform is disabled.
    - Critical output responses to input messages such as ZACOR, ZAFIL, etc. may not be logged to the EOCF/2 message log data bases if the input messages are entered from a console window other than prime CRAS.

Please see the description of **APAR IC11201** in APPENDIX A.

## EYNG\_FORCE\_TA\_00

This environment variable will be in effect for ALL AG ports on the workstation.

- **SET EYNG\_FORCE\_TA\_00= (or absent)**
  - AG will use the actual terminal address in the input MCS header for "hot backup" console windows when TPF is at 1052 state or above.
  - This is the default setting.
- **SET EYNG\_FORCE\_TA\_00=1**
  - AG will always use terminal address 00 in the input MCS header for "hot backup" console windows, even when TPF is at 1052 state or above.
  - The prime CRAS console window will receive ALL output responses that are being routed to the hot backup console windows. While this was always the case when TPF was below 1052 state, it is a change when TPF is at or above 1052 state.

Please see the description of **APAR IC11896** in APPENDIX A.

## EYNG\_IGNORE\_TPF\_DEACT

This environment variable will be in effect for ALL AG ports on the workstation.

- **SET EYNG\_IGNORE\_TPF\_DEACT= (or absent)**
  - AG will NOT ignore the TPF deactivation output messages (PSMSxxxx).
  - This is the default setting.
- **SET EYNG\_IGNORE\_TPF\_DEACT=1**
  - AG will ignore the TPF deactivation output messages (PSMSxxxx).

Please see the description of **APAR IC11896** in APPENDIX A.

## EYNG\_HIDE\_CHAR

If the new environment variable (EYNG\_HIDE\_CHAR=<c>) is set, it is then used to toggle whether characters will be hidden from the command and message log as well as the AG echo. When hidden, astericks (\*) will appear instead of the characters in the message and command log query, and the AG echo line in the console window. Before sending the command to the host, this character is also deleted from the string in each place it appears. This is useful for a console API program to send a password to the host and not put it into the log or have it appear on the screen. The environment variable is set in config/sys, for example: SET EYNG\_HIDE\_CHAR=%. Make sure to use a character that is not used as input by your system.

Please see the description of **APAR IC21931** in APPENDIX A.

---

## INSTALL

### EYN\_ETHERNET

If environment variable EYN\_ETHERNET is set, the EOCF/2 installation program assumes an Ethernet LAN when configuring communications.

Please see the description of **APAR IC22105** in APPENDIX A.

---

## MISCELLANEOUS

### EYNMN\_SERVICE\_REP

When executing a central error log query, this environment variable will force the query to locate ALL errors that have been logged.

- **SET EYNMN\_SERVICE\_REP= (or absent)**
  - The central error log query program will only extract the System Administrator level of errors.
  - This is the default setting.
- **SET EYNMN\_SERVICE\_REP=1**
  - The central error log query program will extract ALL levels errors.
  - To execute the central error log query program from the command line after setting this environment variable: START EYNMEMD

## EYNC\_UNATTENDED

For use on workstations that are unattended.

- **SET EYNC\_UNATTENDED= (or absent)**
  - The workstation will display all popup messages (error and informational).
  - This is the default setting.
- **SET EYNC\_UNATTENDED=YES**
  - The workstation will NOT display any popup messages (error and informational).
  - All the popup message boxes will be responded to with the default button, whatever that may be.

**NOTE:** This environment variable should be turned off prior to an EOCF/2 reinstallation.

## EYNC\_EXCEPTION\_TRACE

Writes trace records to the central error log for each EOCF/2 program that is executed on the workstation.

- **SET EYNC\_EXCEPTION\_TRACE= (or absent)**
  - No trace records are written.
  - This is the default setting.
- **SET EYNC\_EXCEPTION\_TRACE=YES**
  - Trace records are written to the central error log for each EOCF/2 program that is executed on the workstation.
- **SET EYNC\_EXCEPTION\_TRACE=<EOCF/2 program name>**
  - A trap will be forced when the EOCF/2 program registers the exception handler.
  - Example: SET EYNC\_EXCEPTION\_TRACE=EYNPIREQ

## EYNC\_EXCEPTION\_HANDLING

Eliminates EOCF/2 exception handling.

- **SET EYNC\_EXCEPTION\_HANDLING= (or absent)**
  - Exceptions in EOCF/2 programs are handled normally (the EOCF/2 exception handler is registered).
  - This is the default setting.
- **SET EYNC\_EXCEPTION\_HANDLING=1**
  - Exceptions in EOCF/2 programs are NOT handled (the EOCF/2 exception handler is NOT registered).

## EYND\_SENDSOPARM

Allows different parameters for upload to TSO (SEND.EXE).

- **SET EYND\_SENDSOPARM= (or absent)**
  - SEND.EXE will use the default parameters for EOCF/2.
  - This is the default setting.
- **SET EYND\_SENDSOPARM=<parameters for upload to TSO>**
  - SEND.EXE will use the specified parameters.

For more information on these parameters, see OS/2 documentation on SEND.EXE.

Please see the description of **APAR IC06711** in APPENDIX A.

## EYND\_SENDVMPARM

Allows different parameters for upload to VM (SEND.EXE).

- **SET EYND\_SENDVMPARM= (or absent)**
  - SEND.EXE will use the default parameters for EOCF/2.
  - This is the default setting.
- **SET EYND\_SENDVMPARM=<parameters for upload to VM>**
  - SEND.EXE will use the specified parameters.

For more information on these parameters, see OS/2 documentation on SEND.EXE.

Please see the description of **APAR IC06711** in APPENDIX A.

## NVFSC

Assigns the EOCF/2 console window type which will be used to "trigger" the startup of the NetView Interface programs when the specified console window is FIRST refreshed. This is used by the NetView Interface program NVSTART.DLL.

- **SET NVFSC=PRIM (or absent)**
  - The FIRST refresh of the prime CRAS window (TA=00) will be used to start the NetView Interface programs.
  - This is the default setting.
- **SET NVFSC=<fsc type>**
  - The FIRST refresh of the indicated window type will be used to start the NetView Interface programs.
  - Examples: PRC, RO, TAPE, AUDT, DASD, COMM, USR1, USR2, etc.

## NVOP

Assigns the NetView operator id. This is used by the NetView Interface program NVFRMTPF.EXE.

- **SET NVOP= (or absent)**
  - Blanks will be used as the NetView operator id. This implies that the main NetView operator will receive the message.
  - This is the default setting.
- **SET NVOP=<NetView operator id>**
  - <NetView operator id> will be sent the message.

## DB2SERVICETPINSTANCE

Assigns the DB/2 service transaction program instance.

- **SET DB2SERVICETPINSTANCE=DB2**
  - This is set by the installation program automatically in CONFIG.SYS.
  - This is the only valid setting.
  - This is a DB/2 product environment variable.

## DB2COMM

Assigns the DB/2 communications protocol. This is required for DB/2 version 2.1 or newer.

- **SET DB2COMM=APPC**
  - This is set by the installation program automatically in CONFIG.SYS.
  - This is the only valid setting.

- This is a DB/2 product environment variable.



---

## Chapter 6. EOCF/2 Fixpack Installation

EOCF/2 fixpacks are distributed on five diskettes. These diskettes are labeled **Diskette 1–5** and are used with the EOCF/2 installation process.

---

### Installing EOCF/2 Maintenance Diskettes 2–5

- If a previous EOCF/2 CSD 2 fixpak level has been installed on the workstation, use diskettes 2–5 only.
- APARs are available individually on the TPFFIELD 400 disk; call your EOCF/2 service representative for these individual APARs.
- These fixpak diskettes replace the \EOCF\INSTALL\EYNNFILE.LST file because new file names are introduced. If your EOCF/2 configuration uses a modified EYNNFILE.LST file on the CAAs to copy additional files to the other workstations, back up that file before doing the install. You will then need to add your updates to the new EYNNFILE.LST file on the CAAs after they have been installed.
- Use diskettes 2–5 in the EOCF/2 installation and configuration reinstall process.
- No other diskettes will be needed.
- Complete the reinstall process as instructed.

**Note:** These diskettes, along with the new diskette 1, are a replacement for the original EOCF/2 CSD diskettes that were used during an initial CAA install.



---

## Appendix A. APAR List

Notes on the following list of EOCF/2 APARs:

- APARs marked as "Not Yet Available On A Fixpack" are due to be put on the next EOCF/2 Fixpack. Until then, they are only available upon request.
- APARs prior to **IC06252** are included in the base of CSD 2.
- The base CSD 2 code was released at Fixpack level **WR00951**.

The Fixpack level for an EOCF/2 workstation can be obtained by entering the OS/2 command **SYSLEVEL** from an OS/2 window or full screen.

---

### IC06252 (Fixpack WR00956)

APAR - IC06252

-----

```
*****  
* This fix is for OS/2 2.1 ONLY!!! *  
* There is a different fix for OS/2 1.3 *  
*****
```

PROBLEM

-----

1) For 3270 console, after ZPSMS PR DEACT and re-IPL, the first IPL message might not be parsed correctly causing it to not be routed to automation.

2) For 3270 console, IPL messages are not parsed correctly after ZRIPL.

3) For 3215 console, IPL messages are not routed to Prime CRAS if they are not parsed correctly.

4) Capture/Restore messages are not parsed by EOCF because of the non-standard format. For TPF 3.1 they are of the format:  
09.08.41-FCAP-021-Tape 422.....  
EOCF will recognize this as a message ID of FCAP021.  
This parsing logic applies to messages for FCAP and FRST for this format of message.

MODULE

-----

EYNGHOST.EXE

INSTALLATION

-----

Transfer consoles to the other AG.

Shutdown the AG.

RENAME \EOCF\BIN\EYNGHOST.EXE \EOCF\BIN\EYNGHOST.EX2

Copy this EYNGHOST.EXE to \EOCF\BINEYNGHOST.EXE  
Restart the AG.

RETAIN ABSTRACT

-----  
PRINT SELECTION FOR APAR - IC06252 93/12/09  
APAR= IC06252 SER= AB ABEND  
EOCF/2 CANNOT HANDLE CAPTURE/RESTORE NON-STANDARD MESSAGES

STAT= CLOSED PER FESN0963437- CTID= CT0100 ISEV= 4  
SB93/11/09 RC93/11/09 CL93/12/09 PD SEV= 4  
PE= TYPE= F  
RCOMP= 569506700 EOCF/2 RREL= R110  
FCOMP= 569506700 EOCF/2 PFREL= F999 TREL= T  
ACTION= SEC/INT= DUP/  
USPTF= PDPTF= DUPS 0  
DW93/11/09 RT93/11/09 SC FT  
RE PT UP LP TD  
PV93/12/09 AP EN FL  
LC93/12/09 RU93/12/09  
CUST INST LVL/SU= 110  
FAILING MODULE= EOCF FAILING LVL/SU= 110  
SYSROUTE OF: RET APAR= PS= N  
COMP OPER ENV= 110

SYSRES= SYSIN= SYSOUT= CPU= RE-IPL=  
OPTYPE= SPECIAL ACTIVITY= REGRESSION=  
PRE-SCREEN NO.= RSCP= RS110

ERROR DESCRIPTION:

EOCF/2 is unable to handle messages of file capture and restore because their layout is non-(TPF-)standard. The messages of file capture and restore have the layout: 'HH.MM.SS-FCAP-nnn-appended text'. The message layout given in IBM's 'TPF messages and codes' is the standard message layout: 'FCAPnnnc'. Due to the non-standard message layout EOCF/2 is unable to split these messages into the separate parts messageID, TPF time and message text.

LOCAL FIX:

None

PROBLEM SUMMARY:

IPLB and Capture/restore messages not parsed correctly.

PROBLEM CONCLUSION:

1) FOR 3270 CONSOLE, AFTER ZPSMS PR DEACT AND RE-IPL, THE

first IPL message might not be parsed correctly causing it to not be routed to automation.

2) FOR 3270 CONSOLE, IPL MESSAGES ARE NOT PARSED CORRECTLY AFTER ZRIPL.

3) FOR 3215 CONSOLE, IPL MESSAGES ARE NOT ROUTED TO PRIME CRAS if they are not parsed correctly.

4) CAPTURE/RESTORE MESSAGES ARE NOT PARSED BY EOCF BECAUSE OF the non-standard format. For TPF 3.1 they are of the format:

09.08.41-FCAP-021-Tape 422.....

EOCF will recognize this as a message ID of FCAP021.

This parsing logic applies to messages for FCAP and FRST for this format of message.

Installation -

Transfer consoles to the other AG.

Shutdown the AG.

RENAME EOCF BIN EYNGHOST.EXE EOCF BIN EYNGHOST.EX2

Copy this EYNGHOST.EXE to EOCF BIN EYNGHOST.EXE

Restart the AG.

TEMPORARY FIX:

COMMENTS:

MODULES/MACROS: EYNGHOST EXE

SRLS: NONE

RTN CODES:

APPLICABLE COMPONENT LEVEL/SU:

R110 PSN UP

CIRCUMVENTION:

For IPLB messages, the first message may be routed to the wrong terminal. Find that terminal to see the messages, or hit <enter> on the Auto-started prime CRAS.

MESSAGE TO SUBMITTER:

CUST NAME= CUST NO= 0017020  
STREET= PROB NO= 3549X,211  
CITY= LICENSE=  
ZIP=

CUST REP= Joes Kloos PH#= 6499123  
ADDRESS= S/W SUPPORT BRANCH NETHERLANDS REGION = AR#87  
JOH.HUIZINGALAAN 765 B.O. NO= B275  
1066 VH AMSTERDAM COUNTRY= C788  
NETHERLANDS

CREATED	CR93/11/09	CRCT0100	INCIDENT TRANSFER	1427
RECEIVED	RC93/11/09	RCCT0100		1433
RECEIPT	RT93/11/09	RTCT0100		1433
ASSIGN	AS93/11/09	ASCT0100	RPOTTS	1433
APARCERT	BC93/11/09	BCCT0100	START	1433
APARCERT	EC93/11/09	ECCT0100	END/OK	1434
CLOSED	CL93/12/09	CLCT0100	PER	1407



---

## IC06335 (Fixpack WR00956)

PRODUCT

-----

EOCF/2

APAR

----

IC06335 - EXCESS ERRORS (EYNPM3099E) LOGGED FROM CONSOLE.

\*\*\*\*\*

\* This fix is for OS/2 2.X (EOCF/2 CSD 2) ONLY!!! \*

\* There is a different fix for OS/2 1.3 (EOCF/2 CSD 1) \*

\*\*\*\*\*

FIX

---

CSD1: EYNPFMEM.DLL in IC06335 ZIPC1BIN

transfer consoles off the workstation

shutdown any console automation programs

from an OS/2 window enter EYNNKILL EYNPCNSL

rename \EOCF\DLL\EYNPFMEM.DLL \EOCF\DLL\EYNPFMEM.BAK

copy the new EYNPFMEM.DLL to \EOCF\DLL

start EYNPCONSL.EXE

transfer console back to the workstation.

CSD2: EYNPFMEM.DLL in IC06335 ZIPC2BIN

transfer consoles off the workstation

shutdown any console automation programs

from an OS/2 window enter EYNNKILL EYNPCNSL

rename \EOCF\DLL\EYNPFMEM.DLL \EOCF\DLL\EYNPFMEM.BAK

copy the new EYNPFMEM.DLL to \EOCF\DLL

start EYNPCONSL.EXE

transfer console back to the workstation.

PROBLEM INFORMATION FROM RETAIN

-----

PRINT SELECTION FOR APAR - IC06335 93/12/09

APAR= IC06335 SER= AB AB

EXCESS ERRORS (EYNPM3099W) LOGGED FROM CONSOLE.\_\_\_\_

STAT= CLOSED PER FESN0963437- CTID= CT0100 ISEV= 3

SB93/11/29 RC93/12/09 CL93/12/09 PD SEV= 3

PE= TYPE= F

RCOMP= 569506700 EOCF/2 RREL= R110

FCOMP= 569506700 EOCF/2 PFREL= F999 TREL= T

ACTION= SEC/INT= DUP/

USPTF= PDPTF= DUPS 0

DW93/11/29 RT93/12/09 SC FT

RE PT UP LP TD

PV93/12/09 AP EN FL  
LC93/12/09 RU93/12/09  
CUST INST LVL/SU= 110  
FAILING MODULE= EOCF FAILING LVL/SU= 110  
SYSROUTE OF: RET APAR= PS= N  
COMP OPER ENV= 110

SYSRES= SYSIN= SYSOUT= CPU= RE-IPL=  
OPTYPE= SPECIAL ACTIVITY= REGRESSION=  
PRE-SCREEN NO.= RSCP= RS110

ERROR DESCRIPTION:

APAR IC06159 fixed the processing of \*X rules on non-standard messages. With this fix installed, an error is logged from the console to the central error log when a non-standard message is processed. This error message is EYNPM3099E.

LOCAL FIX:

PROBLEM SUMMARY:

An unnecessary message EYNPM3099E is logged to the central error log if APAR IC06159 is installed. IC06159 is part of EOCF/2 CSD 2. This can be logged many times to the central error log, filling the database quicker and possibly affecting performance.

PROBLEM CONCLUSION:

APAR IC06159 will cause these messages to be logged when non-standard messages are processed by the Console. Therefore many non-standard TPF messages will cause many errors to be logged.

TEMPORARY FIX:

Central error logging can be changed to local logging.

COMMENTS:

MODULES/MACROS: EYNPFMEM DLL

SRLS: NONE

RTN CODES:

APPLICABLE COMPONENT LEVEL/SU:

R110 PSN UP

CIRCUMVENTION:

OBTAIN THE FIX FROM YOUR SE OR SERVICE REP, USE PKUNZIP ON THE FILE AND APPLY THE FIX ACCORDING TO THE .DOC FILE

IC06335 ZIPC1BIN - fix for CSD 1 with IC06159

IC06335 ZIPC2BIN - fix for CSD 2

MESSAGE TO SUBMITTER:

CUST NAME= IBM CORP

STREET=

CITY=

ZIP=

CUST NO= 5167901

PROB NO= 4X684,272

LICENSE=

CUST REP= Don Kallberg                      PH#= 8-293-5524  
 ADDRESS= FE OPERS. WEST                      REGION = AR#99  
           ONE IBM PLAZA                      B.O. NO= B582  
           CHICAGO                      ILL                      COUNTRY= C000  
           UNITED STATES                      60611  
 CREATED CR93/11/29 CRCT0100 INCIDENT TRANSFER                      1720  
 RECEIPT RT93/12/09 RTCT0100                      1415  
 RECEIVED RC93/12/09 RCCT0100                      1415  
 ASSIGN AS93/12/09 ASCT0100 XYZ                      1415  
 APARCERT BC93/12/09 BCCT0100 START                      1416  
 APARCERT EC93/12/09 ECCT0100 END/OK                      1416  
 CLOSED CL93/12/09 CLCT0100 PER                      1417

PGMR NAME: XYZ                      EMP NO.=  
 IEP                      CFREL= CF999                      T1  
 MANHRS=                      SYSHRS=                      RPC=                      RELF= TR T2  
 REA CODE= A SPT CODE= NA                      PREL= PR110 TP                      T3  
 MATERIALS SUBMITTED:

\*\*\*\*STRUCTURE DISPLAYABLE PHRASES\*\*\*\*

- |                         |                          |
|-------------------------|--------------------------|
| 1. TSIS                 | 11. AB/S0000             |
| 2. DPPD-DESCS           | 12. AB/NA                |
| 3. PDSYM-START          | 13. PD=ABEND OCCURRED    |
| 4. PD=COMPIDS           | 15. PDSYM=PGM INDICATION |
| 5. PIDS/569506700       | 16. PDAID-START          |
| 6. PD=LEVELS            | 17. SWF-KEYED            |
| 7. LVLS/110             | 21. PDAIDS               |
| 9. OPSYMS=SYS EXECUTION | 22. PDAID=SFW KEYED      |
| 10. PDSYM=ABENDS        | 24. PD=LEVELS            |
| 25. LVLS/110            | 37. FIX=ROUTINES         |
| 26. PD=LEVELS           | 38. RIDF/EOCF            |
| 27. LVLS/110            | 39. RIDS/EOCF            |
| 30. PDFIXS              | 40. FIX=ROUTINES         |
| 31. PDFIX=IBM ACTION    | 41. RIDF/EYNPFMEM        |
| 32. CAUSE=INT LOGIC     | 42. RIDS/EYNPFMEM        |
| 33. MAINT=SFW KEYED     | 43. RIDF/DLL             |
| 34. FIX=COMPIDS         | 44. RIDS/DLL             |
| 35. PIDF/569506700      | 45. FIX=LEVELS           |

36. PIDS/569506700                    46. FIX=UPLEVEL  
47. LVLf/999  
49. FIX=PTFS  
50. ACT=INSTALL  
51. PTFf/PENDING

---

## IC06443 (Fixpack WR00956)

\*\*\*\*\*

\* This fix is for OS/2 2.1 (EOCF/2 CSD 2) ONLY!!!                    \*  
\* There is no equivalent enhancement for CSD 1 - OS/2 1.3 \*  
\*\*\*\*\*

July 01,1994

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
                  VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT:            APAR NUMBER: IC06443

REFERENCE:        AREA:        EOCF/2  
                  SEGMENT:    EYNPCNSL

There are no pre-requisites for this APAR.

### ABSTRACT OF PROBLEM

Default path for command files is needed to make them easier to find.

### COMMENTS ON PROBLEM

The default path for command files is C:\. It has been requested that we allow the default to be a different drive and path.

### SOLUTION

Added a environment variable EYNP\_COMMAND\_FILE\_DEFAULT\_DIR which controls the default directory for the command files. To use it, add to CONFIG.SYS the statement:

SET EYNP\_COMMAND\_FILE\_DEFAULT\_DIR=D:\CMDFILE

Where the directory in D:\CMDFILE would be searched during the first invocation of the command file dialog box.

### DEPENDENCIES

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:  
N/A

Segments to be link edited:  
N/A

Migration Considerations

=====

As follows

- 1) Transfer all consoles off the workstation.
- 2) Issue EYNNKILL EYNPCNSL
- 3) Backup the program by REN EYNPCNSL.EXE EYNPCNSL.EX2
- 4) Copy the new EYNPCNSL.EXE to \EOCF\BIN
- 5) Transfer the console back to the workstation.  
(EYNPCNSL will automatically be started.)

MODIFICATION SOURCE CODE

\_\_\_\_\_

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFIELD 400 disk.

---

**IC06444 (Fixpack WR00956)**

PRODUCT

-----

EOCF/2

APAR

----

IC06444 - Console Rexx global variable EYNPR\_Parameter maximum length should be only 16 characters.

\*\*\*\*\*

\* This fix is for OS/2 2.1 (EOCF/2 CSD 2) ONLY!!! \*

\* See notes on OS/2 1.3 below. \*

\*\*\*\*\*

FIX

---

This fix is for EOCF/2 CSD 2 (OS/2 2.X) only, please see the section below on migration considerations for information on installing this apar on EOCF/2 CSD 2 and workaround information for CSD 1 Console Rexx API programs.

May 24,1994

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),

VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC06444

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNPREXX.DLL

There are no pre-requisites for this APAR.

#### ABSTRACT OF PROBLEM

---

Console REXX global variable EYNPR\_Parameter maximum length should be only 16 characters.

#### COMMENTS ON PROBLEM

---

The Console REXX API EYNPR\_Receive() will set a global REXX variable EYNPR\_Parameter used to pass the value in the parameter field of a console filter rule. The length of this field is 17 characters even though the maximum length of the console filter rule parameter field is only 16 characters. When using the REXX Console API with the following statement and the parameter area in the console filter rule is not specified (empty), then variable 'Fn' returns not "" but H'C0' or decimal 192. Here is the statement: 'PARSE UPPER VALUE EYNPR\_Parameter with Fn Case Rest'

#### SOLUTION

---

The length of the EYNPR\_Parameter variable is set to the length of the console filter rule parameter field, 16.

#### DEPENDENCIES

---

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:  
N/A

Segments to be link edited:  
N/A

#### Migration Considerations

---

=====  
This fix is provided for EOCF/2 CSD 2 (OS/2 2.x). For EOCF/2 CSD 1 continue to use the workaround of SUBSTR(EYNPR\_Parameter,1,16) to strip the extraneous character.

#### Changes to Application Programming Interface

---

The Maximum length of the EYNPR\_Parameter variable will now be 16 characters. With this fix the application programmer will no

longer be required to SUBSTR(EYNPR\_Parameter,1,16) to remove the extraneous last character.

#### Recommended Migration Scenario

-----

- Shutdown all Console Rexx API programs running on the workstation. (CTL+C) Make sure to also shutdown the OS/2 window or fullscreen that the Rexx application was running in.
- RENAME \EOCF\DLL\EYNPREXX.DLL \EOCF\DLL\EYNPREXX.DL2
- Copy new EYNPREXX.DLL to \EOCF\DLL
- Restart Console Rexx API programs.

#### MODIFICATION SOURCE CODE

-----

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

### IC06446 (Fixpack WR00956)

PRODUCT

-----

EOCF/2

APAR

----

IC06446 - EYNPTMNE.EXE needs codeview information to trace through user console filter DLL program.

\*\*\*\*\*

\* This fix is for OS/2 2.X (EOCF/2 CSD 2) ONLY!!! \*

\* There is a different fix for OS/2 1.3 (EOCF/2 CSD 1) \*

\*\*\*\*\*

FIX

---

CSD2: EYNPTMNE.EXE in IC06446 ZIPC2BIN  
transfer consoles off the workstation  
shutdown any console automation programs  
from an OS/2 window enter EYNNKILL EYNPCNSL  
rename \EOCF\BIN\EYNPTMNE.EXE \EOCF\DLL\EYNPTMNE.EX2  
copy the new EYNPTMNE.EXE to \EOCF\BIN  
start EYNPCNSL.EXE  
transfer console back to the workstation.

PROBLEM INFORMATION FROM RETAIN

-----

PRINT SELECTION FOR APAR - IC06446 94/01/19  
APAR= IC06446 SER= AB ABEND  
EYNPTMNE.EXE WAS NOT COMPILED WITH CODEVIEW.\_

STAT= OPEN FESN0963437- CTID= CT0100 ISEV= 3  
SB93/12/17 RC93/12/17 CL PD SEV= 3  
PE= TYPE= F  
RCOMP= 569506700 EOCF/2 RREL= R110  
FCOMP= PFREL= F TREL= T  
ACTION= SEC/INT= DUP/  
USPTF= PDPTF= DUPS 0  
DW93/12/17 RT93/12/17 SC FT  
RE PT UP LP TD  
PV AP EN FL  
LC93/12/17 RU93/12/17  
CUST INST LVL/SU=  
FAILING MODULE= FAILING LVL/SU=  
SYSROUTE OF: RET APAR= PS=  
COMP OPER ENV= 110

SYSRES= SYSIN= SYSOUT= CPU= RE-IPL=  
OPTYPE= SPECIAL ACTIVITY= REGRESSION=  
PRE-SCREEN NO.= RSCP= RS110

ERROR DESCRIPTION:

While trying to trace EYNPFMON.DLL I found a couple of problems. First, I was unable to set the breakpoint in EYNPTCVD.C with the version of Codeview that came with IBMC2 compiler. This is not explained on page 4-13 in the EOCF/2 API manual. The second error I found was that when using version 3 of Codeview, I still couldn't trace. The problem turned out to be that program EYNPTMNE wasn't compiled with the Codeview option. This needs to be changed to trace the DLLs.

LOCAL FIX:

CUST NAME= BENEFICIAL DATA PROCESSING CORP CUST NO= 0790500  
STREET= PROB NO= 4E854,149  
CITY= LICENSE=  
ZIP=

CUST REP= LOU BERNARD PH#= 908 781-3428  
ADDRESS= RAMSEY REGION = AR#02  
300 EXECUTIVE DRIVE -NJTA/RGN B.O. NO= BKDP  
WEST ORANGE, NJ. COUNTRY= C000  
USA 07052

CREATED CR93/12/17 CRCT0100 INCIDENT TRANSFER 1434  
RECEIVED RC93/12/17 RCCT0100 1446  
RECEIPT RT93/12/17 RTCT0100 1446

ASSIGN AS93/12/17 ASCT0100 RPOTTS 1447  
APARCERT BC93/12/17 BCCT0100 START 1447  
APARCERT EC93/12/17 ECCT0100 END/OK 1447

PGMR NAME: RPOTTS EMP NO.=  
IEP CFREL= CF T1  
MANHRS= SYSHRS= RPC= RELF= TR T2  
REA CODE= SPT CODE= PREL= PR TP T3  
MATERIALS SUBMITTED:

\*\*\*\*STRUCTURE DISPLAYABLE PHRASES\*\*\*\*

- |                         |                          |
|-------------------------|--------------------------|
| 1. TSIS                 | 11. AB/S0000             |
| 2. DPPD-DESCS           | 12. AB/NA                |
| 3. PDSYM-START          | 13. PD=ABEND OCCURRED    |
| 4. PD=COMPIDS           | 15. PDSYM=PGM INDICATION |
| 5. PIDS/569506700       | 16. PDAID-START          |
| 6. PD=LEVELS            | 17. SWF-KEYED            |
| 7. LVLS/110             |                          |
| 9. OPSYMS=SYS EXECUTION |                          |
| 10. PDSYM=ABENDS        |                          |

---

**IC06559 (Fixpack WR00956)**

TPF DEVELOPMENT AND SUPPORT  
LSCD, Poughkeepsie NY  
November 01, 1994

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC06559

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNCIWIM

EYNAMTP  
EYNCMSG  
EYNAMSG

There are no pre-requisites for this APAR.

#### ABSTRACT OF PROBLEM

---

When automatic console sessions for a host are shutdown manually or a redundant workstation is not defined when a PWS fallback occurs, there is no mechanism to restart the automatic console sessions.

#### COMMENTS ON PROBLEM

---

There is currently no mechanism to restart automatic console sessions for a specific host without shutting down the Automation Gateway (AG) and then restarting.

#### SOLUTION

---

The program EYNCIWIM has been updated to accept new parameters:

-AUTOSESS <enterprise.complex> <cpuid>

The parameter <enterprise.complex> is the TPF host name and the parameter <cpuid> is the TPF host cpuid. The program EYNCIWIM can be executed from:

1. the command line
2. an OS/2 or REXX command file
3. the EOCF/2 Main Menu.

An example of executing the program EYNCIWIM from the command line for TPF host "POK.TPFNET B":

```
EYNCIWIM -AUTOSESS POK.TPFNET B
```

An example of adding the EYNCIWIM program to the EOCF/2 Main Menu using the EOCF/2 application Application Management:

- o The Application name could be: "Restart of automatic console sessions for host POK.TPFNET B"
- o The Path and file name should be: EYNCIWIM.EXE
- o The Parameters would be: -AUTOSESS POK.TPFNET B

Any defined automatic console session for the target host will be restarted if there is no entry in the EOCF/2 Session Table for the terminal address (TA) of the autosession console. This can be determined by using the EOCF/2 application Session Management.

The target host must be active and at least one CAA active for the restart of automatic console sessions to be successful.

## DEPENDENCIES

---

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:  
None.

Segments to be link edited:  
None.

Migration Considerations

=====

As follows

Because many EOCF/2 components use the file EYNCMSG.DLL, each workstation will need to be shut down and rebooted in order to load these new programs:

- 1) If the target workstation is a CAA then shutdown the CAA.
- 2) If the target workstation is an AG then shutdown the AG.
- 3) Transfer any console, database logging, or Service Processor (SVP) sessions to another workstation
- 4) If the EOCF/2 Shell is installed then execute the program EYNSUNIN from the command line to temporarily un-install the Shell.
- 5) Rename STARTUP.CMD to STARTUP.CM2
- 6) Shutdown and reboot the workstation.
- 7) Rename x:\EOCF\BIN\EYNCIWIM.EXE to EYNCIWIM.EX2
- 8) Rename x:\EOCF\BIN\EYNAMTP.EXE to EYNAMTP.EX2
- 9) Copy new file EYNCIWIM.EXE into the directory x:\EOCF\BIN
- 10) Copy new file EYNAMTP.EXE into the directory x:\EOCF\BIN
- 11) Rename x:\EOCF\DLL\EYNCMSG.DLL to EYNCMSG.DL2
- 12) Rename x:\EOCF\DLL\EYNAMSG.DLL to EYNAMSG.DL2
- 13) Copy new file EYNCMSG.DLL into the directory x:\EOCF\DLL
- 14) Copy new file EYNAMSG.DLL into the directory x:\EOCF\DLL
- 15) Rename STARTUP.CM2 back to STARTUP.CMD
- 16) If you need to re-install the EOCF/2 Shell then execute program EYNSINST from the command line.
- 17) Shutdown and reboot the workstation
- 18) Installation is now complete.

## MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

## IC06708 (Fixpack WR00956)

\*\*\*\*\*  
\* This fix is for > OS/2 2.1 (EOCF/2 CSD 2) ONLY!!! \*  
\*\*\*\*\*

October 18,1994

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC06708

REFERENCE: AREA: EOCF/2  
SEGMENT:  
EYNCSPPPE.DLL  
EYNXD327.DLL  
EYNXDEMU.DLL  
EYNXDPAS.DLL  
EYNXDTRN.DLL

There are no pre-requisites for this APAR.

### ABSTRACT OF PROBLEM

Running the 3270 AG and Service Processor Server on non-US or non-Multilingual Code Pages, such as Kanji (Japanese) or Hongul (Korean).

### COMMENTS ON PROBLEM

Running the 3270 AG and Service Processor Server on non-US or non-Multilingual Code Pages, such as Kanji (Japanese) or Hongul (Korean) fails because of the code page. This APAR will use the multilingual (850) or US (437) code page if it is available on the workstation. A workaround for this problem is to start the AG when in code page 850 or 437 and then change the code page back. Example of a modification to the STARTUP.CMD...

```
CHCP 850
DETACH EYNGENTR
CHCP 942
```

### SOLUTION

If the Multilingual (850) or US (437) code page is available on the workstation, it will be used for translations from the 3270 device to the PC.

### DEPENDENCIES

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:

Segments to be link edited:

1

APAR NO. IC06708

PAGE 1 OF 2

#### Migration Considerations

=====

#### Recommended Migration Scenario

-----

Follow these guidelines to apply this support to your system.

Fallback TPF using the ZACRS command to a different AG workstation.

Shutdown the AG and any Service Processor connections.

Backup the old DLLs...

CD\EOCF\DLL

Copy EYNCSPPE.DLL \*.DL2

Copy EYNXD327.DLL \*.DL2

Copy EYNXDEMU.DLL \*.DL2

Copy EYNXDPAS.DLL \*.DL2

Copy EYNXDTRN.DLL \*.DL2

Copy the new DLLs to \EOCF\DLL

Start the AG and Service Processors.

#### Other Migration Scenarios

-----

Use the latest EOCF/2 Disk 00 for use with EOCF/2 CSD 2 only.

#### MODIFICATION SOURCE CODE

-----

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

## IC06710 (Fixpack WR00959)

Note: This ZIP file includes fixes for EOCF/2 CSD2 only.

Use IC06710 ZIPC1BIN for EOCF/2 CSD1, OS/2 1.3.

##### DRAFT COPY ONLY -  
##### NOT FOR DISTRIBUTION  
January 09,1995

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC06710

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNGSTOP.EXE  
EYNAKILL.EXE

There are no pre-requisites for this APAR.

ABSTRACT OF PROBLEM

When running EOCF/2 on J OS/2 1.3, shutting down the AG or CAA can cause a trap.

COMMENTS ON PROBLEM

Traps may occur from AG or CAA shutdown when running on Japanese OS/2 1.3. The trap from AG shutdown occurred in stack checking and the trap from CAA shutdown occurred in exit processing.

SOLUTION

The stack size for both the AG and CAA shutdown were increased. Also, the CAA shutdown exit processing was changed.

DEPENDENCIES

Related Segments Affected By This APAR.

Segments to be assembled or compiled:

Segments to be link edited:

Migration Considerations

=====

- Copy \EOCF\BIN\EYNGSTOP.EXE to \EOCF\BIN\EYNGSTOP.EX2
- Copy \EOCF\BIN\EYNAKILL.EXE to \EOCF\BIN\EYNAKILL.EX2
- Copy the new EYNGSTOP.EXE and EYNAKILL.EXE to \EOCF\BIN directory

## MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

### IC06711 (Fixpack WR00956)

APAR - IC06711

-----

```
*****
* This fix is for OS/2 2.x ONLY!!!      *
* There is a different fix for OS/2 1.3 *
*****
```

#### PROBLEM

-----

Transfer/Upload function of EOCF/2 needs to allow different parameters on the SEND.EXE function because J OS/2 customers use APVUFILE instead of IND\$FILE.

#### FIX

----

The following environment variables are now allowed with this fix installed. If the environment variables are not specified, the transfer/upload functions will work the same as they did before this apar. These values can be specified in CONFIG.SYS to change the parameters...

SET EYND\_SENDSOPARM=<parameters for upload to TSO>

SET EYND\_SENDVMPARM=<parameters for upload to VM>

For more information on these parameters, see OS/2 documentation on SEND.EXE

#### MODULE

-----

EYNDXFER.EXE

EYNMXFER.EXE

#### INSTALLATION

-----

Make sure that the Log Archival Upload and the Transfer File programs are not running.

RENAME \EOCF\BIN\EYNDXFER.EXE \EOCF\BIN\EYNDXFER.EX2  
 Copy this EYNDXFER.EXE to \EOCF\BIN\EYNDXFER.EXE  
 RENAME \EOCF\BIN\EYNDXFER.EXE \EOCF\BIN\EYNDXFER.EX2  
 Copy this EYNDXFER.EXE to \EOCF\BIN\EYNDXFER.EXE  
 set Environment Variables in CONFIG.SYS  
 Transfer any consoles off the workstation and/or manually fallback TPF  
 off the AGs on that workstation, and reboot to activate the changes  
 in CONFIG.SYS.

RETAIN ABSTRACT

-----  
 PRINT SELECTION FOR APAR - IC06711 94/04/08  
 APAR= IC06711 SER= AB ABEND  
 TRANSFER FUNCTION OF EOCF/2 ON OS/2 J CANNOT BE USED.

STAT= OPEN FESN0963437- CTID= CT0100 ISEV= 3  
 SB94/02/08 RC94/02/08 CL PD SEV= 3  
 PE= TYPE= F  
 RCOMP= 569506700 EOCF/2 RREL= R110  
 FCOMP= PFREL= F TREL= T  
 ACTION= SEC/INT= DUP/  
 USPTF= PDPTF= DUPS 0  
 DW94/02/08 RT94/02/08 SC FT  
 RE PT UP LP TD  
 PV AP EN FL  
 LC94/02/08 RU94/02/08  
 CUST INST LVL/SU=  
 FAILING MODULE= FAILING LVL/SU=  
 SYSROUTE OF: RET APAR= PS=  
 COMP OPER ENV= 110

CUST INST LVL/SU=  
 FAILING MODULE= FAILING LVL/SU=  
 SYSROUTE OF: RET APAR= PS=  
 COMP OPER ENV=

SYSRES= SYSIN= SYSOUT= CPU= RE-IPL=  
 OPTYPE= SPECIAL ACTIVITY= REGRESSION=  
 PRE-SCREEN NO.= RSCP= RS110  
 ERROR DESCRIPTION:

Installed EOCF/2 on Japanese OS/2. Problem is that they could  
 not do Transfer function of EOCF/2. This happened because  
 the difference of transfer options between the  
 IND\$FILE and APVUFILE (J's IND\$FILE). We need to be able to  
 specify different parameters on the SEND.EXE command for  
 J OS/2 than the defaults used in the Transfer file and

Log Archival functions.  
LOCAL FIX:

CUST NAME= CUST NO= 0032370  
STREET= PROB NO= 3093X,622  
CITY= LICENSE=  
ZIP=

CUST REP= Takeshi Hata PH#= 03-3745-1828  
ADDRESS= EAST R2-B02 REGION = AR#25  
B.O. NO= B622  
COUNTRY= C760

JAPAN

CREATED CR94/02/08 CRCT0100 INCIDENT TRANSFER	1206
RECEIVED RC94/02/08 RCCT0100	1211
RECEIPT RT94/02/08 RTCT0100	1212
ASSIGN AS94/02/08 ASCT0100 KALLBERG	1212
APARCERT BC94/02/08 BCCT0100 START	1212
APARCERT EC94/02/08 ECCT0100 END/OK	1212

PGMR NAME: KALLBERG EMP NO.=  
IEP CFREL= CF T1  
MANHRS= SYSHRS= RPC= RELF= TR T2  
REA CODE= SPT CODE= PREL= PR TP T3  
MATERIALS SUBMITTED:

\*\*\*\*STRUCTURE DISPLAYABLE PHRASES\*\*\*\*

- |                |                       |
|----------------|-----------------------|
| 1. TSIS        | 11. AB/S9999          |
| 2. DPPD-DESCS  | 12. AB/NA             |
| 3. PDSYM-START | 13. PD=ABEND OCCURRED |

- |                         |                          |
|-------------------------|--------------------------|
| 4. PD=COMPIDS           | 15. PDSYM=PGM INDICATION |
| 5. PIDS/569506700       | 16. PDAID-START          |
| 6. PD=LEVELS            | 17. SWF-KEYED            |
| 7. LVLS/110             |                          |
| 9. OPSYMS=SYS EXECUTION |                          |
| 10. PDSYM=ABENDS        |                          |

---

## IC06712 (Fixpack WR00956)

PRODUCT

-----

EOCF/2

APAR

----

IC06712 - Problems with sample program UPLOAD.

\*\*\*\*\*

- \* This fix is for OS/2 2.1 (EOCF/2 CSD 2) \*
- \* The OS/2 1.3 sample worked, but this can be used on \*
- \* OS/2 1.3 if desired. \*

\*\*\*\*\*

FIX

---

CSD1: see below.

CSD2: Use this UPLOAD.C and UPLOAD.EXE instead of the version  
provided on disk 6 of CSD2.

APAR INFORMATION

-----

APAR= IC06889

March 11,1994

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC06712

REFERENCE: AREA: EOCF/2  
SEGMENT: UPLOAD

There are no pre-requisites for this APAR.

ABSTRACT OF PROBLEM

---

Problems with sample program UPLOAD.

## COMMENTS ON PROBLEM

---

The UPLOAD STOP command does not stop the program. The UPLOAD program hangs when the PC clock changes hours. At signs (@) are not handled properly.

## SOLUTION

---

The UPLOAD STOP command has been fixed to make the program stop. When the hour changes on the PC, the file being uploaded to on the host now changes correctly. The processing of at-signs (@) could hang the program, and this has been fixed.

See UPLOAD.C for specific changes.

## DEPENDENCIES

---

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:

N/A

Segments to be link edited:

N/A

Migration Considerations

=====

None

1

APAR NO. IC06712

PAGE 1 OF 2

## MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

## IC06891 (Fixpack WR00956)

PRODUCT

-----

EOCF/2

APAR

----

IC06891 - More than 255 EYNPR\_Open calls fail.

\*\*\*\*\*

\* This fix is for OS/2 2.1 (EOCF/2 CSD 2) ONLY!!! \*

\* There is a separate APAR for EOCF/2 CSD 1 - OS/2 1.3 \*

\*\*\*\*\*

FIX

---

CSD1:

get IC06891 ZIPC1BIN

CSD2:

EYNPQUE.DLL in IC06891 ZIPC2BIN

On each EOCF/2 workstation,

Stop all automation programs on this workstation.

Transfer all consoles off of this workstation.

Stop the console by entering EYNNKILL EYNPCNSL

rename \EOCF\DLL\EYNPQUE.DLL \EOCF\DLL\EYNPQUE.DL2

copy the new EYNPQUE.DLL to \EOCF\DLL

The fix is now loaded, and you may transfer consoles

back to this workstation. The console will automatically

restart.

APAR INFORMATION

-----

April 04,1994

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),

VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC06891

REFERENCE: AREA: EOCF/2

There are no pre-requisites for this APAR.

ABSTRACT OF PROBLEM

More than 255 EYNPT\_Open function calls fails.

Also, problems recovering from sending too many messages to

REXX programs.

COMMENTS ON PROBLEM

When more than 255 EYNPT\_Open or EYNPR\_Open function calls are made

from the same program, the function returns an error.  
A semaphore was not cleaned up properly, and the Open function call would log error 106 ERROR\_SEM\_USER\_LIMIT.  
These errors could also occur if more than 64K of message data was queued to be sent to a program. This occurs happens most often when a REXX program cannot keep up with a burst of data from the host.

#### SOLUTION

---

A new version of EYNPQUE.DLL is provided which releases the semaphore correctly. More than 255 Opens can now be called.  
The REXX interface recovers properly from exceeding the 64K buffer.

#### DEPENDENCIES

---

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:

N/A

Segments to be link edited:

N/A

#### Migration Considerations

=====

#### Recommended Migration Scenario

-----

Follow these guidelines to apply this support to your system.

Shutdown any automation programs you have running on the workstation on which you plan to apply the fix. Transfer all consoles off the workstation.

To stop the console program, you must issue EYNNKILL EYNPCNSL.  
Then issue RENAME \EOCFDILL\EYNPQUE.DLL EYNPQUE.DL2  
Then copy this version of EYNPQUE.DLL to the \EOCFDILL directory.

#### MODIFICATION SOURCE CODE

---

Source code is not available.

Replacement modules are available from EOCF support.

SE's can get the code from the TPFIE 400 disk.

---

## IC06919 (Fixpack WR00961)

TPF DEVELOPMENT AND SUPPORT  
LSCD, Poughkeepsie NY  
February 16, 1995

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC06919

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNCT3

There are no pre-requisites for this APAR.

#### ABSTRACT OF PROBLEM

---

3270 PROG errors (host program check) are not passed on to the EOCF/2 console. Also, duplicate lines from 3270 screens can be mistakenly passed to EOCF console.

#### COMMENTS ON PROBLEM

---

When a host application sends invalid characters to the TPF console, if the 3174 is not set to translate these characters to a printable character, then a PROGxxx error is generated on a 3270 terminal. The PROGxxx error was not displayed on an EOCF/2 console.

Also, lines received from a TPF host can generate multiple copies of the same line on an EOCF Console.

#### SOLUTION

---

PROGxxx errors when received from a 3174 are now displayed on the EOCF/2 console with message EYNG0101E. Also, if the connection to the 3174 is lost, a EYNG0102E message is generated. (This is the equivalent of COMMxxx errors on Communication Manager 3270 windows.)

The parsing logic was corrected to send output messages only once to the EOCF console.

#### DEPENDENCIES

---

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:

N/A

Segments to be link edited:

N/A

1

APAR NO. IC06919

PAGE 1 OF 2

## Migration Considerations

=====

As follows

-----

All EOCF/2 programs must be stopped before the file EYNCMSG.DLL can be loaded onto a workstation. The easiest method is:

- stop all active programs on the destination workstation
- transfer all console sessions, data base logging sessions, and SVP sessions to another workstation
- if the workstation is an AG, then shutdown the AG
- if the workstation is a CAA, then shutdown the CAA
- if the EOCF/2 Shell is installed, then enter the command EYNSUNIN
- rename STARTUP.CMD to STARTUP.BAK
- shutdown the workstation and reboot
- rename x:\EOCFDLL\EYNCMSG.DLL to EYNCMSG.DL2
- copy new EYNCMSG.DLL to directory x:\EOCFDLL
- rename x:\EOCFDLL\EYNCT3.DLL to EYNCT3.DL2
- copy new EYNCT3.DLL to directory x:\EOCFDLL
- rename STARTUP.BAK to STARTUP.CMD
- if you want to reinstall the EOCF/2 Shell, then enter the command EYNSINST
- reboot the workstation

## Message changes

-----

EYNG0101E has been added for PROGxxx errors.

EYNG0102E has been added for lost connection to a 3174.

## MODIFICATION SOURCE CODE

-----

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

## IC06931 (Fixpack WR00956)

\*\*\*\*\*

\* This fix is for EOCF/2 CSD 2 (OS/2 2.x) Only!!! \*

\* There is a different fix for EOCF/2 CSD 1 (OS/2 2.3) \*

\*\*\*\*\*

July 11,1994

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC06931

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNPIREQ.EXE  
EYNPMSG.DLL

There are no pre-requisites for this APAR.

#### ABSTRACT OF PROBLEM

---

Image requester needs option for automatic FSC-PRC shadow of TA 00 to avoid AG not sending input under 1052 state.

#### COMMENTS ON PROBLEM

---

TPF 3270 Console support does not support an MCS header and thus true terminal addresses. Customers have had problems when they accidentally open FSC-PRC which don't shadow TA 00. This is not a true "hot backup" console and won't allow input when TPF is under 1052 state. To avoid this problem, an option has been added to the console image requester to default to Shadow TA=00 and FSC-type of PRC when the FSC requester is specified with this option. The system administrator can then make this the only FSC requester option in the user's main menu.

#### SOLUTION

---

The option S00 is now a valid option for the console image requester program. If the S00 option is specified, the "shadow an existing console" checkbox will be checked and terminal address 00 will be input, the user then will not be allowed to modify this checkbox or terminal address. If it is specified with the FSC option, PRC will be specified and cannot be changed. The EOCF/2 System Administrator then can replace the FSC requester application in the user's main menu with this new option.

#### DEPENDENCIES

---

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:

Segments to be link edited:

Migration Considerations

=====

Recommended Migration Scenario

-----

Follow these guidelines to apply this support to your system.

Transfer consoles off the workstation

Stop the console program from an OS/2 command line with

EYNNKILL EYNPCNSL  
Rename \EOCF\DLL\EYNPMSG.DLL \EOCF\DLL\EYNPMSG.BAK  
Rename \EOCF\BIN\EYNPIREQ.EXE \EOCF\BIN\EYNPIREQ.BAK  
Copy new EYNPMSG.DLL to \EOCF\DLL directory  
Copy new EYNPIREQ.EXE to \EOCF\BIN directory  
Use Application Management to create a new application with  
the S00 option specified as a parameter for the EYNPIREQ.EXE  
program. Hint: use the save as file option in Application  
Management for the FSC requester application.  
For more information on Application Management, see the EOCF/2  
System Administrator's Guide.

#### MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

### IC07007 (Fixpack WR00956)

PRODUCT

-----

EOCF/2

APAR

----

IC07007 - Allow all token ring address ranges.

\*\*\*\*\*

\* This fix is for OS/2 2.1 (EOCF/2 CSD 2) ONLY!!! \*

\* See notes on OS/2 1.3 below. \*

\*\*\*\*\*

FIX

---

CSD1: This fix has not been created for CSD1.

The addresses can be changed by using Query Manager.  
Please contact EOCF/2 support for the proper method  
of making this change. It should not be attempted  
without contacting EOCF/2 support.

CSD2: Make sure Workstation Management is not running.

Back up the old version with

REN \EOCF\BIN\EYNMWMW.EXE EYNMWMW.EX2

Place the new EYNMWMW.EXE in \EOCF\BIN

EYNHHELP.HLP and EYNNMSG.DLL are not necessary.

These files only contain documentation changes  
for the additional token ring address range.

If you wish to apply them, you must stop all

EOCF/2 applications and copy EYNHHELP.HLP to

the \EOCF\HLP directory and EYNMMSG.DLL to the \EOCF\DLL directory.

APAR INFORMATION

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APAR= IC07007

May 06,1994

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC07007

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNMWMW  
SEGMENT: EYNMMSG  
SEGMENT: EYNHHELP

There are no pre-requisites for this APAR.

ABSTRACT OF PROBLEM

-----  
Burnt in token ring address can not be used in Workstation management.

COMMENTS ON PROBLEM

-----  
Early versions of LAPS only allowed token ring addresses in the range from 400000000000 to 7FFFFFFFFFFF. All 12 digit addresses are now allowed in LAPS. (LAN Adapter and Protocol Support) Customers have requested to be able to use the burnt in address of token ring cards, which usually start with 1000 as the first four digits.

SOLUTION

-----  
Workstation Management will now allow all 12 digit addresses to be entered. This is consistent with LAPS.

DEPENDENCIES

-----  
Related Segments Affected By This APAR.

-----  
Segments to be assembled or compiled:  
N/A

Segments to be link edited:

N/A

Migration Considerations

=====

None

MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

## IC07371 (Fixpack WR00956)

TPF DEVELOPMENT AND SUPPORT

LSCD, Poughkeepsie NY

August 23, 1994

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC07371

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNPQUE  
SEGMENT: EYNPMSG

Pre-requisite APARs are:

IC06891 is included in this APAR.

IC06931 must be installed before this APAR. The EYNPMSG.DLL contained in this APAR includes the fixes from IC06931.

### ABSTRACT OF PROBLEM

---

Automation programs only have one 64K buffer for receiving TPF output messages. This APAR allows multiple 64K buffers therefore increasing the number of messages that can be buffered.

### COMMENTS ON PROBLEM

---

Automation programs can only have 64K of messages buffered. This queuing limit is most often encountered with REXX programs which can not process messages as fast as TPF can generate them.

### SOLUTION

---

The first three characters of a queue name now specify the total number of 64K segments to be used for the queue. If no number is specified, then the default of 1 is used.

We recommend using 1 unless you need the additional memory. For example, EYNPR\_Open( 10UPLOAD ) will open the queue '10UPLOAD' with 10\*64K=640K for queueing messages. You would then use Console Filter Management to route messages to the destination 10UPLOAD.

For programs which need additional memory, try 5 first, and keep bumping the number up until you are satisfied. Remember, using additional memory for the queues will increase your SWAPPER.DAT size, and using queues too large may require additional memory.

## DEPENDENCIES

---

### Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:

N/A

Segments to be link edited:

N/A

### Migration Considerations

=====

As follows

Shutdown the Automation Gateway if it is running on the workstation.  
Stop all automation programs running on the workstation.  
Transfer all consoles off of the workstation.  
Issue EYNNKILL EYNPCNSL to stop the console program.  
If Automation was running in any OS/2 windows or Full Screens,  
close them with the EXIT command.  
Save the old \EOCF\DLL\EYNPQUE.DLL with the command  
REN EYNPQUE.DLL EYNPQUE.DL3  
copy the new EYNPQUE.DLL to \EOCF\DLL.  
Save the old \EOCF\DLL\EYNPMSG.DLL with the command  
REN EYNPMSG.DLL EYNPMSG.DL3  
copy the new EYNPMSG.DLL to \EOCF\DLL.  
Restart the Automation Gateway.  
Transfer any consoles back to this workstation.  
Restart any automation programs.

## MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

## IC07372 (Fixpack WR00961)

TPF DEVELOPMENT AND SUPPORT  
LSCD, Poughkeepsie NY  
December 29, 1994

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC07372

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNMFILM.EXE  
EYNMEMD.EXE  
EYNMALD.EXE  
EYNPCNSL.EXE  
EYNN.EXE  
EYNDTLPS.EXE  
EYNDALPS.EXE  
EYNDUDPS.EXE  
EYNMLIBP.DLL  
EYNDTLIB.DLL  
EYNMMSG.DLL  
EYNPMSG.DLL

There are no pre-requisites for this APAR.

### ABSTRACT OF PROBLEM

Incorrect fonts have been chosen by various EOCF/2 applications. This causes some data displays (especially Console Filter Management) to be hard to read.

### COMMENTS ON PROBLEM

In several EOCF/2 programs, system proportional fonts were used instead of system monospaced fonts. In some cases this resulted in displays of data that were hard to read. In other cases, 12-point system monospaced font was requested but, because OS/2 2.x and 3.x only support the 10-point system monospaced font, the 12-point system proportional font was substituted by OS/2.

### SOLUTION

Requests for the 12-point system monospaced font were replaced with requests for the 10-point system monospaced font. Where applicable, requests for the 12-point system proportional font were replaced with requests for the 10-point system monospaced font.

Affected applications are:

- o Console Filter Management
- o Alternate and FSC Console Requester
- o Console window - command line and some system menu dialog boxes
- o Message Log Query
- o Central Error Log Query
- o Command Log Query
- o Access Log Query
- o User-Defined Log Query
- o SVP Requester
- o Installation and Configuration

## DEPENDENCIES

---

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:  
None.

Segments to be link edited:  
None.

## Migration Considerations

=====

As follows:

All EOCF/2 programs must be stopped before the files can be loaded onto a workstation. The easiest method is:

- o stop all active programs on the destination workstation
- o transfer all console sessions, data base logging sessions, and SVP sessions to another workstation
- o if the workstation is an AG, then shutdown the AG
- o if the workstation is a CAA, then shutdown the CAA
- o if the EOCF/2 Shell is installed, then enter the command EYNSUNIN
- o rename STARTUP.CMD to STARTUP.BAK
- o shutdown the workstation and reboot
- o rename the target DLLs to x:\EOCF\DLL\\*.DL2
- o copy new DLLs to directory x:\EOCF\DLL
- o rename the target EXEs to x:\EOCF\BIN\\*.EX2
- o copy new EXEs to directory x:\EOCF\BIN
- o rename STARTUP.BAK to STARTUP.CMD
- o if you want to reinstall the EOCF/2 Shell, then enter the command EYNSINST
- o reboot the workstation

## MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

## IC07511 (Fixpack WR00956)

TPF DEVELOPMENT AND SUPPORT  
LSCD, Poughkeepsie NY  
July 06, 1994

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC07511

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNGENTR

There are no pre-requisites for this APAR.

### ABSTRACT OF PROBLEM

Automation Gateway device parameter definition errors can cause the entire Automation Gateway workstation to hang.

### COMMENTS ON PROBLEM

The following three Automation Gateway definition errors resulted in a hung Automation Gateway workstation. 1) Response file (Z\*.DAT) defined for the TPF Simulator but the file is not present on the AG workstation. 2) Incorrect slot number defined for a MMC card. 3) When an automatic session is defined on a workstation which is not active (and also has NO redundant workstation defined) the AG workstation will hang when the AG starts up and attempts to place the automatic session console window on the inactive workstation.

After the AG workstation is hung the only way around the problem is to reboot (CTL+ALT+DEL).

After the definition errors were corrected, the hang no longer occurred.

### SOLUTION

In EYNGENTR.EXE, decreased the error timeouts to allow the AG to recover much quicker from definition errors. Prior to this fix, the AG startup could take a very long time if device parameter definition errors were encountered.

### DEPENDENCIES

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:  
N/A

Segments to be link edited:

N/A

Migration Considerations

=====

- 1) Manually fallback TPF sessions (via ZACRS FBK PRC) that use the Automation Gateway on the target workstation. In effect, fallback from prime CRAS to the alternate prime CRAS.
- 2) Shutdown the Automation Gateway on the target workstation.
- 3) In x:\EOCF\BIN, save the old copy of EYNGENTR.EXE with the command:  
RENAME EYNGENTR.EXE EYNGENTR.EX2
- 4) Copy the new EYNGENTR.EXE to x:\EOCF\BIN
- 5) Start the Automation Gateway on the target workstation.
- 6) Manually fallback TPF sessions (via ZACRS FBK PRC) that use the Automation Gateway on the target workstation. In effect, fallback from the alternate prime CRAS to the prime CRAS.
- 7) Proceed to the next Automation Gateway workstation.

MODIFICATION SOURCE CODE

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

## IC07556 (Fixpack WR00956)

\*\*\*\*\*

\* This fix is for OS/2 2.X (EOCF/2 CSD 2) ONLY!!! \*

\*\*\*\*\*

June 20,1994

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0, CSD 2

SUBJECT: APAR NUMBER: IC07556

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNPTMNE

Pre-requisite APARs are:  
IC06446 is included in this APAR.

ABSTRACT OF PROBLEM

Console TP (EYNPTMNE.EXE) abends when running a large user written DLL using the TPDLLS.DAT and EYNPFMON.DLL interface. A trap from DOSCALL1.DLL can also occur.

## COMMENTS ON PROBLEM

---

User written .DLLs that are loaded with TPDLLS.DAT and EYNPFMON.DLL use the stack allocated in EYNPTMNE.EXE. If too much stack is used in a .DLL, a TRAP can occur.

## SOLUTION

---

The stack has been increased in EYNPTMNE.EXE. Care must still be taken to avoid running out of stack space in this executable. As with any program, large arrays of variables should be allocated by the program with the OS/2 DosAllocMem API rather than putting them on the stack. (Declared variables go on the stack.)

## DEPENDENCIES

---

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:

N/A

Segments to be link edited:

N/A

Migration Considerations

=====

Transfer active consoles off the workstation.

In \EOCF\BIN, save the old copy of EYNPTMNE.EXE with the command

REN EYNPTMNE.EXE EYNPTMNE.EX2

Copy the new EYNPTMNE.EXE to \EOCF\BIN

Transfer consoles back to the workstation.

## MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFIELD 400 disk.

---

## IC08024 (Fixpack WR00956)

TPF DEVELOPMENT AND SUPPORT  
LSCD, Poughkeepsie NY  
September 23, 1994

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC08024

REFERENCE: AREA: EOCF/2

SEGMENT: EYNCPCA  
SEGMENT: EYNCMSG  
SEGMENT: PCADD  
SEGMENT: PCAMSG

There are no pre-requisites for this APAR.

#### ABSTRACT OF PROBLEM

---

New MMC microcode and device driver levels for use with EOCF/2.

#### COMMENTS ON PROBLEM

---

The new device driver fixes three problems with EOCF/2 support of the MMC adapter. 1) Under some conditions, high TPF message output could cause TPF to fallback prime CRAS. 2) With two MMC adapters installed, an IPL on one TPF system could affect the operations of another TPF system using the second MMC adapter. 3) Error information has been updated.

Note: The MMC microcode, PSCA.ABS has not been updated for this APAR.

#### SOLUTION

---

Problems 1 and 2 have been fixed by a new device driver.  
Problem 3 has been fixed by updating error logging segments in EOCF/2.

#### DEPENDENCIES

---

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:  
N/A

Segments to be link edited:  
N/A

Migration Considerations  
=====

All EOCF/2 functions must be stopped before applying these fixes. To do this, stop all active EOCF/2 programs on the workstation. Transfer any console or database logging sessions off of the workstation, and then shutdown the AG and CAA if they are on this workstation. Then issue EYNNKILL EYNPCNSL to stop the console program. Next, backup the programs by issuing  
REN \EOCF\DLL\EYNCPCA.DLL \*.DL2  
REN \EOCF\DLL\EYNCMSG.DLL \*.DL2  
REN \EOCF\BIN\PCADD.SYS \*.SY2  
REN \EOCF\BIN\PCAMSG.MSG \*.MS2

Copy the new .DLL files into \EOCF\DLL  
Copy the other 2 files into \EOCF\BIN  
The machine must be rebooted to begin using the new files.

#### MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

## IC08167 (Fixpack WR00956)

TPF DEVELOPMENT AND SUPPORT  
LSCD, Poughkeepsie NY  
September 28, 1994

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC08167

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNCEXCP  
EYNCMSG

There are no pre-requisites for this APAR.

#### ABSTRACT OF PROBLEM

---

Traps that are taken in user-written DLLs defined by TPDLLS.DAT are not recognized by the current exception handler. The exception handler creates the trap files <exename>.TRP in the directory x:\EOCF\BIN.

#### COMMENTS ON PROBLEM

---

TPDLLS.DAT is a file used to list user-written DLLs that are loaded when the user profile of a console window is refreshed. If a trap occurs in one of these DLLs, the current exception handler does not contain any information about these DLLs. For this reason, it is difficult to determine which user-written DLL has trapped.

#### SOLUTION

---

The exception handler should be updated to read the file TPDLLS.DAT and place all necessary information about these user-written DLLs in the trap file (<exename>.TRP). The exception handler should also be updated to read in the new file TPDLLS.LST, which should be used to list any additional DLLs that are loaded by the DLLs listed in TPDLLS.DAT. TPDLLS.DAT and TPDLLS.LST should reside in the directory x:\EOCF\BIN and have the same format. The

exception handler should also put the following information into the trap file: boot drive, memory usage, info about SWAPPER.DAT, copy of CONFIG.SYS, and whether trapping component is 16-bit or 32-bit.

## DEPENDENCIES

---

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:

N/A

Segments to be link edited:

N/A

Migration Considerations

=====

As follows:

All EOCF/2 programs must be stopped before the file EYNCEXCP.DLL can be loaded onto a workstation. The easiest method is:

- stop all active programs on the destination workstation
- transfer all console sessions, data base logging sessions, and SVP sessions to another workstation
- if the workstation is an AG, then shutdown the AG
- if the workstation is a CAA, then shutdown the CAA
- if the EOCF/2 Shell is installed, then enter the command EYNSUNIN
- rename STARTUP.CMD to STARTUP.BAK
- shutdown the workstation and reboot
- rename x:\EOCF\DLL\EYNCEXCP.DLL to EYNCEXCP.DL2
- rename x:\EOCF\DLL\EYNCMSG.DLL to EYNCMSG.DL2
- copy new EYNCEXCP.DLL to directory x:\EOCF\DLL
- copy new EYNCMSG.DLL to directory x:\EOCF\DLL
- rename STARTUP.BAK to STARTUP.CMD
- if you want to reinstall the EOCF/2 Shell, then enter the command EYNSINST
- reboot the workstation

## MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

## IC08710 (Fixpack WR00963)

TPF DEVELOPMENT AND SUPPORT  
LSCD, Poughkeepsie NY  
March 17, 1995

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC08710

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNCSMPX  
SEGMENT: EYNCERD2  
SEGMENT: EYNCIWIM  
SEGMENT: EYNN  
SEGMENT: EYNNCNBS  
SEGMENT: EYNNDISK  
SEGMENT: EYNNGETF  
SEGMENT: EYNNINST  
SEGMENT: EYNNKLEN  
SEGMENT: EYNNLCMD  
SEGMENT: EYNNRECV  
SEGMENT: EYNNRSTR  
SEGMENT: EYNNSTRT  
SEGMENT: EYNNSVFY  
SEGMENT: EYNSINST  
SEGMENT: EYNSLOG  
SEGMENT: EYNSMENU  
SEGMENT: EYNSOS2  
SEGMENT: EYNSUNDO  
SEGMENT: EYNSUNIN

There are no pre-requisites for this APAR.

### ABSTRACT OF PROBLEM

Install program updates CONFIG.SYS line containing 'SET HELPNDX='. It should not update this line. EOCF/2 only supported installation on the C: drive.

### COMMENTS ON PROBLEM

When EOCF/2 Install looked to update SET HELP, it mistakenly updated SET HELPNDX too. It also updated SET PMDPATH by mistake.

Several default environment variables were not set in CONFIG.SYS. This made changing these variables more difficult.

EOCF/2 required OS/2 to be installed on the C: partition.

### SOLUTION

---

The update logic for CONFIG.SYS and the HELP and PATH environment variables has been fixed.

The default values for other Environment variables has also been added. (For example, 'SET EYNG\_DISABLE46W=1' and 'SET EYNP\_COMMAND\_FILE\_DEFAULT\_DIR=C:\')

The install logic has been updated to allow EOCF/2 installs when OS/2 has been installed on a drive other than the C: drive.

## DEPENDENCIES

---

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:  
N/A

Segments to be link edited:  
N/A

## Migration Considerations

---

As follows

The recommended installation method is the 'DISK00' method. Get the current EOCF/2 fix pack from EOCF/2 support.

Or do the following:

All EOCF/2 programs must be stopped before the fixes can be loaded onto a workstation. The easiest method is:

- stop all active programs on the destination workstation
- transfer all console sessions, data base logging sessions, and SVP sessions to another workstation
- if the workstation is an AG, then shutdown the AG
- if the workstation is a CAA, then shutdown the CAA
- if the EOCF/2 Shell is installed, then enter the command EYNSUNIN
- rename STARTUP.CMD to STARTUP.BAK
- shutdown the workstation and reboot
- rename all .EXE and .CMD files in this APAR to back them up.
- copy new .EXE and .CMD files to directory x:\EOCFBIN
- rename STARTUP.BAK to STARTUP.CMD
- if you want to reinstall the EOCF/2 Shell, then enter the command EYNSINST
- reboot the workstation

## MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

## IC08779 (Fixpack WR00961)

TPF DEVELOPMENT AND SUPPORT  
LSCD, Poughkeepsie NY  
January 31, 1995

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC08779

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNPFMON

There are no pre-requisites for this APAR.

### ABSTRACT OF PROBLEM

The header file EYNPTAPI.H in the console TP API package incorrectly defines the external user function EYNPF\_Refresh(). The hReserved parameter should be changed to phConsole.

### COMMENTS ON PROBLEM

The external user function EYNPF\_Refresh() is defined by the header file EYNPTAPI.H. The second parameter is currently defined as a pointer to a console handle (EYNPF\_PHCNLS) but the label implies that this parameter is an IBM reserved value (hReserved). This parameter is a valid pointer to a console handle and can be used by the EYNPF\_Refresh() routine. Therefore the label should be changed to phConsole.

### SOLUTION

The header file EYNPTAPI.H was changed to define the second parameter passed to the EYNPF\_Refresh() routine as a pointer to a console handle (phConsole). EYNPFMON.C was also modified to use the EYNPF\_Refresh() routine to send an output message to the console window each time the console window user profile is refreshed. The format of this message is:

```
EYNP0001I hh.mm.ss <date> - Profile refreshed for console <handle> +
```

This output message is routed through the console filter so that it can be used by automation programs (REXX or C). The 16-bit make file EYNPFMON.MAK was modified to include the necessary libraries to support the new function in EYNPF\_Refresh(). The 32-bit make file EYNPFMON.M32 has been modified to create additional output files from the compile and link steps. A 32-bit module definition file EYNPFMON.D32 has also been added to the package.

In addition, the header file EYNCERM.H has been changed. This include file has the function prototypes for the log error functions (ie EYNC\_LogDBErr).

This file had dependencies on the order of include files, which could cause unknown function compiler errors. These order dependencies have been removed.

To summarize...

Three files were changed in MULTIDLL.ZIP: EYNPFMON.C (C source code), EYNPFMON.MAK (16-bit make file) and EYNPFMON.M32 (32-bit make file). One new file was added to MULTIDLL.ZIP: EYNPFMON.D32 (32-bit module definition file). The MULTIDLL.ZIP file is supplied to EOCF/2 customers on DISK 6 in the directory \SAMPLES\CONSOLE\MULTIDLL.

Two include (header) files were changed: EYNPTAPI.H and EYNCERM.H. The include files are supplied to EOCF/2 customers on DISK 6 in the directory \INCLUDE.

WARNING!!! Please be advised that loading of the file EYNPFMON.DLL will replace a user-written EYNPFMON.DLL.

#### DEPENDENCIES

---

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:  
N/A

Segments to be link edited:  
N/A

#### Migration Considerations

=====

As follows:

WARNING!!! Loading the file EYNPFMON.DLL will replace a user-written EYNPFMON.DLL.

- o Transfer all console sessions from the target workstation to another workstation.
- o Rename the file x:\EOCF\DLL\EYNPFMON.DLL to EYNPFMON.DL2
- o Copy the file EYNPFMON.DLL to x:\EOCF\DLL
- o Transfer console sessions back to the target workstation.

The new output message (EYNP00011) will be sent to the console window each time the console user profile is refreshed.

#### MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

## IC08835 (Fixpack WR00959)

TPF DEVELOPMENT AND SUPPORT  
LSCD, Poughkeepsie NY  
January 11, 1995

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC08835 (HIPER)

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNSOS2

There are no pre-requisites for this APAR.

### ABSTRACT OF PROBLEM

When the OS/2 Option was opened from the EOCF/2 Main Menu and then closed, sometimes EOCF/2 or various system programs (ie. Comm Mgr SNA Subsystem or DB2/2) were also exited.

### COMMENTS ON PROBLEM

When the OS/2 Option was opened from the EOCF/2 Main Menu and then closed, sometimes other programs were erroneously exited. Most of the time it was the following programs which were affected:

- o EOCF/2 shared segment (EYNCCRSG)
- o Comm Manager SNA Subsystem
- o DB2/2

This usually resulted in traps out of EYNSLOG.EXE or SQLC.DLL.

If Comm Manager was affected then all communications with the affected workstation were disabled.

### SOLUTION

The program EYNSOS2.EXE was incorrectly closing the OS/2 Option, which sometimes resulted in the closing of other programs in addition to PMSHELL.EXE. The program has been changed to close the correct program only (PMSHELL).

### DEPENDENCIES

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:  
N/A

Segments to be link edited:  
N/A

Migration Considerations  
=====

As follows

- o If the OS/2 Option is open then close it.
- o If you do not have an open OS/2 window or full screen then use Application Management to add an entry to the EOCF/2 Main Menu to open an OS/2 window (CMD.EXE).
- o From the OS/2 window, rename x:\EOCF\BIN\EYNSOS2.EXE to EYNSOS2.EX2
- o From the OS/2 window, copy EYNSOS2.EXE into the directory x:\EOCF\BIN

MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

## IC08837 (Duplicate of IC08835)

---

## IC09056 (Fixpack WR00961)

TPF DEVELOPMENT AND SUPPORT  
LSCD, Poughkeepsie NY  
February 14, 1995

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC09056

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNPCNSL

There are no pre-requisites for this APAR.

ABSTRACT OF PROBLEM

---

A trap sometimes occurs in EYNPCNSL.EXE when the operator exits the command file (script) utility.

## COMMENTS ON PROBLEM

---

A TRAP-D can sometimes occur in EYNPCNSL.EXE when the operator exits the command file utility. This occurs most often when the operator closes the command file window with the CLOSE option of the system menu. The trap is actually taken in the OS/2 Presentation Manager file PMWIN.DLL.

## SOLUTION

---

A memory segment was being released prematurely. Most of the time this is valid but on some occasions an additional call to OS/2 Presentation Manager is made which results in the TRAP-D exception. This has been corrected.

## DEPENDENCIES

---

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:

N/A

Segments to be link edited:

N/A

Migration Considerations

=====

The file EYNPCNSL.EXE should be copied onto all console workstations:

- o On the target workstation, transfer all console sessions to another workstation using Session Management.
- o From an OS/2 window or full screen, execute the following:
  - EYNNKILL EYNPCNSL
- o Rename the old file:
  - REN x:\EOCF\BIN\EYNPCNSL.EXE \*.EX2
- o Copy the new file EYNPCNSL.EXE to the directory x:\EOCF\BIN
- o Transfer the console windows back to this workstation using Session Management.

## MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

## IC09092 (Fixpack WR00960)

TPF DEVELOPMENT AND SUPPORT  
LSCD, Poughkeepsie NY  
January 17, 1995

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC09092

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNCVERB.DLL

There are no pre-requisites for this APAR.

#### ABSTRACT OF PROBLEM

TRAP-D out of EYNPCNSL.EXE during console session startup. Most of the time, the trap is not taken on the first console session startup on a workstation, but is taken on subsequent console session startups.

#### COMMENTS ON PROBLEM

When multiple console windows are started on a workstation, sometimes a TRAP-D is taken out of EYNPCNSL.EXE. The trap usually does not occur during the first console session startup; it usually occurs on the second or subsequent console session startup. The trap itself actually occurs in DOSCALL1.DLL or APPC.DLL during Communications Manager TP\_STARTED processing.

#### SOLUTION

The TP\_STARTED processing in EYNCVERB.DLL has been modified for EYNPCNSL.EXE to prevent the TRAP-D.

#### DEPENDENCIES

Related Segments Affected By This APAR.

Segments to be assembled or compiled:

N/A

Segments to be link edited:

N/A

Migration Considerations

=====

As follows:

All EOCF/2 programs must be stopped before the file EYNCVERB.DLL can be loaded onto a workstation. The easiest method is:

- o Stop all active programs on the destination workstation
- o Transfer all console sessions, data base logging sessions, and

- SVP sessions to another workstation
- o If the workstation is an AG, then shutdown the AG
  - o If the workstation is a CAA, then shutdown the CAA
  - o If the EOCF/2 Shell is installed, then enter the command EYNSUNIN from an OS/2 window or full screen.
  - o Rename STARTUP.CMD to STARTUP.BAK
  - o Shutdown the workstation and reboot
  - o Rename x:\EOCF\DLL\EYNCVERB.DLL to EYNCVERB.DL2
  - o Copy new EYNCVERB.DLL to directory x:\EOCF\DLL
  - o Rename STARTUP.BAK to STARTUP.CMD
  - o If you want to reinstall the EOCF/2 Shell, then enter the command EYNSINST from an OS/2 window or full screen
  - o Reboot the workstation

#### MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

## IC09098 (Fixpack WR00966)

April 12,1995

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC09098

REFERENCE: AREA: EOCF/2  
SEGMENT: NVFRMTPF.EXE

There are no pre-requisites for this APAR.

#### ABSTRACT OF PROBLEM

---

When the communications to Netview goes down, only 1 error should be logged to the Central error log.

#### COMMENTS ON PROBLEM

---

If the communications link to Netview goes down, every attempt to send a message up to Netview is logged until the link comes back up. If all console messages are being sent to Netview this will cause many errors to be logged, utilizing resources on the EOCF/2 workstations. Also, the CSMP971 message is verified for correct form.

## SOLUTION

---

NVFRMTPF.C has been changed to log only 1 error to the central error log if the communications link to Netview goes down. The Console will still show errors for each attempt to send a message to Netview. If the link comes back up and then down, again only 1 message will be logged to the central error log during the time the link is down. Also, the CPU- field of the CSMP971 message is now verified for correctness before using it to build the message to be sent to Netview. If a trace (central error log message) is needed for the CSMP971 message add #define TRACE\_CSMP971 to NVFRMTPF.C and recompile.

## DEPENDENCIES

---

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:

Segments to be link edited:

1

APAR NO. IC09098

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## Migration Considerations

=====  
Recommended Migration Scenario

- 
- o Stop NVFRMTPF on the workstation
    - EYNNKILL NVFRMTPF
  - o Rename current NVFRMTPF.EXE
    - REN NVFRMTPF.EXE NVFRMTPF.EX2
  - o Copy new NVFRMTPF.EXE
  - o START NVFRMTPF

## MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

## IC09263 (Fixpack WR00966)

TPF DEVELOPMENT AND SUPPORT  
LSCD, Poughkeepsie NY  
March 29, 1995

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC09263

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNGHOST

There are no pre-requisites for this APAR.

### ABSTRACT OF PROBLEM

For 3215 console support (which uses the MMC card interface), MMC host interface errors can occur when host output messages "collide" with input messages from the consoles.

### COMMENTS ON PROBLEM

During periods when there are many host output messages, MMC host interface errors can occur if many input messages are entered from the console windows. This "collision" of input and output messages, in some cases, can result in the MMC host interface errors.

### SOLUTION

The program EYNGHOST.EXE has been modified to "throttle" the rate at which input messages from the console windows are queued to the host interface layer of code. This new mechanism is controlled by a new OS/2 environment variable:

```
SET EYNG_INPUT_MSG_PAUSE_MSEC=<milliseconds>
```

If this environment variable is not set, the default is 0 (zero) milliseconds.

This mechanism can be used to lessen the number of input/output message collisions. The recommended initial value is 250 milliseconds (one fourth second).

### DEPENDENCIES

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:  
n/a

Segments to be link edited:  
n/a

Migration Considerations  
=====

In order to load the new version of EYNGHOST.EXE, the Automation Gateway (AG) will have to be shut down:

- o From the EOCF/2 Main Menu, select "Automation Gateway Shutdown".
- o When the AG has completed shutdown:
  - RENAME x:\EOCF\BIN\EYNGHOST.EXE EYNGHOST.BAK
  - copy the new EYNGHOST.EXE into the directory x:\EOCF\BIN
- o If you are not going to add the new environment variable to CONFIG.SYS, you can restart the AG.

If you are going to add the new environment variable to CONFIG.SYS then the workstation will have to be shutdown and rebooted in order for the new environment variable to take effect:

- o Load the new version of EYNGHOST.EXE as described above.
- o Add the new environment variable to CONFIG.SYS (it can be placed anywhere in CONFIG.SYS):
  - SET EYNG\_INPUT\_MSG\_PAUSE\_MSEC=250 (example for 1/4 second)
- o Shutdown the workstation and reboot.

MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

## IC09305 (Fixpack WR00961)

February 14,1995

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC09305

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNPDISP

There are no pre-requisites for this APAR.

## ABSTRACT OF PROBLEM

---

Divide by zero exception in EYNPCNSL.EXE at offset 5A0 in module 1 of EYNPDISP.DLL. The console is torn down and restarted as a result. EYNPCNSL.TRP is created. Also fixed scroll bar problem.

## COMMENTS ON PROBLEM

---

When adjusting the size of a console window, it can trap when recalculating the size of the new window. This can be identified by looking in EYNPCNSL.TRP for a divide by zero error.

Also, If the scrollbar is clicked on, but not moved, the message area would indicate that scrolling was active.

## SOLUTION

---

The console window resizing routine was corrected to avoid division by zero.

The scroll bar routine has been corrected so that scrolling state is only entered when the scroll bar is actually moved.

## DEPENDENCIES

---

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:

N/A

Segments to be link edited:

N/A

## Migration Considerations

=====

As follows

Transfer all consoles off of the workstation.

Stop the console program with EYNNKILL EYNPCNSL

Save the old EYNPDISP.DLL with the command:

REN EYNPDISP.DLL EYNPDISP.DL2

Copy the new EYNPDISP.DLL to \EOCF\DLL

Transfer consoles back to the workstation. The console program will automatically restart.

## MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCP support. SE's can get the code from the TPFFIELD 400 disk.

---

## IC09319 (Fixpack WR00961)

TPF DEVELOPMENT AND SUPPORT  
LSCD, Poughkeepsie NY  
February 14, 1995

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC09319

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNGHOST

There are no pre-requisites for this APAR.

### ABSTRACT OF PROBLEM

EYNGHOST.EXE ends with an Access Violation exception. This closes the current console session. EYNGHOST.TRP is created in \EOCF\BIN.

### COMMENTS ON PROBLEM

EYNGHOST.EXE can take an Access Violation because it runs out of stack space. This can be determined by looking in EYNGHOST.TRP and seeing the ESP near the stack top. In this case, ESP was 40E72, stack top was 40000 and stack bottom was 4A932.

### SOLUTION

Additional stack space was added for EYNGHOST.EXE  
In addition, the TPF output delay on console startup was also decreased.

### DEPENDENCIES

Related Segments Affected By This APAR.

Segments to be assembled or compiled:  
N/A

Segments to be link edited:  
N/A

### Migration Considerations

=====

This fix is for CSD 2 (OS/2 2.11) only!

As follows  
Fallback TPF consoles to another Automation Gateway with the

ZACRS command.  
Shutdown the Automation Gateway from the Main Menu.  
Save the old EYNGHOST by:  
REN EYNGHOST.EXE EYNGHOST.EX2  
Copy the new EYNGHOST.EXE to \EOCFBIN  
Restart the Automation Gateway.

#### MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

## IC09344 (Fixpack WR00962)

TPF DEVELOPMENT AND SUPPORT  
LSCD, Poughkeepsie NY  
February 17, 1995

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC09344

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNCVERB.DLL

There are no pre-requisites for this APAR, but it includes IC09092 entirely.

#### ABSTRACT OF PROBLEM

---

TPFDF utilizes the | character (EBCDIC X'4F') in its syntax for the ZUDFM command. When the vertical line is entered from EOCF/2 (dashed vertical on keyboard), an EBCDIC X'6A' is sent in to TPF.

#### COMMENTS ON PROBLEM

---

The vertical line (dashed vertical on keyboard) being sent in to TPFDF as 6A is not recognized by TPFDF as the vertical line and thus the command fails. There is no way to send in the EBCDIC X'4F' without changing EOCF/2. A change could have been made within TPFDF to utilize a different (standard) character for ZUDFM. The DBENUFB equate in the ACPDBE macro could be changed to another character. UFBJ, UFBM, UFB4, UFB6, UFD1 use that equate and would need to be reassembled. This TPFDF change is NOT needed with this EOCF/2 APAR applied.

#### SOLUTION

---

The EOCF/2 3215 AG (MMC) was changed to translate the vertical bar (dashed on keyboard, ASCII X'7C') to EBCDIC X'4F'. Also for output to an EOCF/2 console the EBCDIC X'4F' will now display as a vertical bar.

#### Migration Considerations

=====

As follows:

1

APAR NO. IC09344

PAGE 1 OF 2

All EOCF/2 programs must be stopped before the file EYNCVERB.DLL can be loaded onto a workstation. The easiest method is:

- o Stop all active programs on the destination workstation
- o Transfer all console sessions, data base logging sessions, and SVP sessions to another workstation
- o If the workstation is an AG, then shutdown the AG
- o If the workstation is a CAA, then shutdown the CAA
- o If the EOCF/2 Shell is installed, then enter the command EYNSUNIN from an OS/2 window or full screen.
- o Rename STARTUP.CMD to STARTUP.BAK
- o Shutdown the workstation and reboot
- o Rename x:\EOCF\DLL\EYNCVERB.DLL to EYNCVERB.DL2
- o Copy new EYNCVERB.DLL to directory x:\EOCF\DLL
- o Rename STARTUP.BAK to STARTUP.CMD
- o If you want to reinstall the EOCF/2 Shell, then enter the command EYNSINST from an OS/2 window or full screen
- o Reboot the workstation

#### DEPENDENCIES

\_\_\_\_\_

N/A

#### MODIFICATION SOURCE CODE

\_\_\_\_\_

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

## IC09379 (Fixpack WR00966)

TPF DEVELOPMENT AND SUPPORT  
LSCD, Poughkeepsie NY  
March 27, 1995

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC09379

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNASSVC

There are no pre-requisites for this APAR.

### ABSTRACT OF PROBLEM

In 32-bit mode, the Session Services API calls EYNA\_SC\_Close() and EYNA\_SIP\_Close() always return the same incorrect value of EYNA\_ERR\_PARMS (invalid parameters).

### COMMENTS ON PROBLEM

In 32-bit mode, the two Session Services API calls EYNA\_SC\_Close() and EYNA\_SIP\_Close() always return the value EYNA\_ERR\_PARMS even when the input parameters are valid. This is caused by incorrect definitions of these two calls in the header file EYNASSVC.H for 32-bit compilation. 16-bit programs are not affected.

### SOLUTION

The header file EYNASSVC.H has been modified to correctly define the Session Services calls EYNA\_SC\_Close() and EYNA\_SIP\_Close() for 32-bit compilation.

### DEPENDENCIES

Related Segments Affected By This APAR.

---

Segments to be compiled:

- All 32-bit user-written programs which include the header file EYNASSVC.H.

Segments to be link edited:

- Same as those needing compilation.

#### Migration Considerations

=====

All 32-bit user-written programs which include the header file EYNASSVC.H should be recompiled with the modified header file.

#### MODIFICATION SOURCE CODE

\_\_\_\_\_

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

## IC09796 (Fixpack WR00964)

TPF DEVELOPMENT AND SUPPORT  
LSCD, Poughkeepsie NY  
April 03,1995

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC09796

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNCEXCP

There are no pre-requisites for this APAR.

#### ABSTRACT OF PROBLEM

\_\_\_\_\_

If a trap is taken on an EOCF/2 workstation which has a CD-ROM drive, the EOCF/2 exception handling will force an OS/2 harderr popup which requires operator intervention. This should not occur.

#### COMMENTS ON PROBLEM

\_\_\_\_\_

When a trap is taken in an EOCF/2 component, the EOCF/2 exception handler gets invoked. Part of the exception handler's processing is to determine the free space on all local disks/partitions. This processing is currently including CD-ROM drives, which is incorrect. Because of this, the OS/2 harderr popup is invoked which requires operator intervention in order to continue processing.

#### SOLUTION

\_\_\_\_\_

The EOCF/2 exception handler has been updated to disable the harderr proc-

essing while examining the attached local drives/partitions. This will prevent the harderr popup which requires operator intervention.

#### DEPENDENCIES

---

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:  
n/a

Segments to be link edited:  
n/a

#### Migration Considerations

=====

All EOCF/2 programs must be stopped before the file EYNCEXCP.DLL can be loaded onto a workstation. The easiest method is:

- o Stop all active programs on the destination workstation
- o Transfer all console sessions, data base logging sessions, and SVP sessions to another workstation
- o If the workstation is an AG, then shutdown the AG
- o If the workstation is a CAA, then shutdown the CAA
- o If the EOCF/2 Shell is installed, then enter the command EYNSUNIN to un-install the Shell
- o Rename STARTUP.CMD to STARTUP.BAK
- o Shutdown the workstation and reboot
- o Rename x:\EOCF\DLL\EYNCEXCP.DLL to EYNCEXCP.DL2
- o Copy new EYNCEXCP.DLL to directory x:\EOCF\DLL
- o Rename STARTUP.BAK to STARTUP.CMD
- o If you need to reinstall the EOCF/2 Shell, then enter command EYNSINST to re-install the Shell
- o Shutdown the workstation and reboot

#### MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

## IC10191 (Fixpack WR00966)

TPF DEVELOPMENT AND SUPPORT  
LSCD, Poughkeepsie NY  
May 16,1995

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC10191

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNPTMNE.EXE

There are no pre-requisites for this APAR.

#### ABSTRACT OF PROBLEM

If console API send macros (EYNPT\_Send or EYNPR\_Send) are executed during console refresh when a console window is first being created, then the console session will be aborted by the Automation Gateway.

#### COMMENTS ON PROBLEM

If a user-written console API program attempts to send an input message to the host (via EYNPT\_Send or EYNPR\_Send) during the console profile refresh phase of console session startup, then the Automation Gateway (AG) will abort the console session. The console session is torn down because the AG has not yet received the final messages required to complete the console startup. A temporary work-around is for the user-written application program to delay the send of the input message (EYNPT\_Send) for a few seconds so that console startup has time to complete.

#### SOLUTION

Until console startup is complete, the console TP program, EYNPTMNE.EXE, should NOT retrieve elements from the input queue which are console API requests. After console startup is complete then console TP can resume normal FIFO processing of the input queue. This will, in effect, delay the console API requests (EYNPT\_Send and EYNPR\_Send) until the console is fully active.

#### DEPENDENCIES

Related Segments Affected By This APAR.

Segments to be assembled or compiled:

None.

Segments to be link edited:

None.

Migration Considerations

=====

All console sessions must be shutdown or transferred from the target workstation:

- o Using the EOCF/2 application Session Management, shutdown any console sessions or transfer the console sessions from the target workstation.
- o Rename the existing file on the target workstation:
  - RENAME x:\EOCF\BIN\EYNPTMNE.EXE EYNPTMNE.EX2
- o Copy the new file EYNPTMNE.EXE to the target workstation.
- o Using the EOCF/2 application Session Management, transfer the console sessions back to the target workstation.

MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFIELD 400 disk.

---

**IC10338 (Fixpack WR00966)**

June 09,1995

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC10338

REFERENCE: AREA: EOCF/2  
 SEGMENT: EYNN  
 SEGMENT: EYNNRSTR  
 SEGMENT: EYNNSVFY  
 SEGMENT: EYNSUNDO  
 SEGMENT: EYNSINST  
 SEGMENT: EYNSUNIN

There are no pre-requisites for this APAR.

ABSTRACT OF PROBLEM

---

WARP support for EOCF/2. EOCF/2 should handle WARP's new CONFIG.SYS entries. EOCF/2 should also verify required pre-requisites.

COMMENTS ON PROBLEM

---

EOCF/2 Install updated the AUTOSTART parameter in CONFIG.SYS, and it should not. This caused the Launch Pad to not appear. Also, install checks software levels, and it should check for the latest Communication Manager/2 and Database Manager/2.

SOLUTION

---

Install was corrected to not modify the AUTOSTART parameter in CONFIG.SYS. Install now checks for Communication Manager version 1.11 and Database Manager version 1.2.1.

## DEPENDENCIES

---

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:  
N/A

Segments to be link edited:  
N/A

## Migration Considerations

=====

This APAR should be applied with the latest Fix disk build level.

It can also be applied by copying the following 5 executables into \EOCF\BIN. Please make a backup copy of each .EXE before overlaying the old one. Use the command REN <program>.EXE \*.EX2 to backup up each of the following programs.

EYNN.EXE  
EYNNRSTR.EXE  
EYNSVIFY.EXE  
EYNSUNDO.EXE  
EYNSISNT.EXE  
EYNSUNIN.EXE

Do do this, make sure the Install program is not running.

After applying this APAR, install will give a Warning message if Communication Manager/2 is not version 1.11. It will also give a warning if Database Manager/2 is not version 1.2.1.

You can run with an earlier version, although it is recommended to get to these levels. To continue with install after this warning message, select OK on the message box.

## MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOFC support. SE's can get the code from the TPFFIELD 400 disk.

---

## IC10414 (Fixpack WR00966)

TPF DEVELOPMENT AND SUPPORT  
LSCD, Poughkeepsie NY  
June 13, 1995

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC10414

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNCERP2

There are no pre-requisites for this APAR.

### ABSTRACT OF PROBLEM

Traps can occur in EYNCERP2.DLL when EYNC\_LogError() is executed from a 32-bit program. The traps are unpredictable and do NOT occur from 16-bit programs.

### COMMENTS ON PROBLEM

When a user-written 32-bit EOCF/2 application program (\*.EXE or \*.DLL) issues the EOCF/2 API call, EYNC\_LogError(), sometimes a trap will occur in EYNCERP2.DLL. These traps are unpredictable and do NOT occur in 16-bit programs.

### SOLUTION

It was found that if the 32-bit EOCF/2 program EYNCERP2.DLL was compiled with a later release of the C compiler, the traps no longer occurred. It is recommended that user-written 32-bit programs should be compiled with the C SET++ compiler at the following CSD levels or later:

- o IBM C/C++ Tools (COMPILER)
  - Version 2.00 at CSD level CT00011
- o IBM C/C++ Tools (UTILITIES)
  - Version 2.00 at CSD level CT00003
- o IBM C/C++ Tools (CLASS LIBRARIES)
  - Version 2.01 at CSD level CT00009

### DEPENDENCIES

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:  
None.

Segments to be link edited:  
None.

Migration Considerations  
=====

As follows...

- All user-written EOCF/2 application programs should be shutdown.
- Rename the existing file: RENAME x:\EOCF\DLL\EYNCERP2.DLL \*.BAK
- Copy in the new file to the directory x:\EOCF\DLL
- Restart your user-written EOCF/2 application programs.

MODIFICATION SOURCE CODE  
\_\_\_\_\_

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFIELD 400 disk.

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**IC10646 (Fixpack WR00967)**

TPF DEVELOPMENT AND SUPPORT  
LSCD, Poughkeepsie NY  
July 10, 1995

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC10646

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNAMON  
EYNAMTP  
EYNAWARM  
EYNACOLD  
EYNAKILL  
EYNASHUT  
EYNABROD  
EYNCLWIM  
EYNCSVQR

There are no pre-requisites for this APAR.

ABSTRACT OF PROBLEM  
\_\_\_\_\_

A workstation cannot be installed with T/R LAN adapter 0 connected to Ring 2

and T/R LAN adapter 1 connected to Ring 1. When this is attempted, APPC sessions are not activated even though CM/2 links are OK

#### COMMENTS ON PROBLEM

---

When an EOCF/2 workstation is defined in Workstation Management with T/R LAN adapter 0 (primary) attached to Ring 2 and T/R LAN adapter 1 (alternate) attached to Ring 1, the installation of this workstation will fail. The APPC sessions will not be activated, even though the CM/2 links are operational.

In addition, if this workstation is defined as a CAA, CAA server startup and notification can fail.

#### SOLUTION

---

The modules which still check for ring number matches have been modified to eliminate these checks. The EOCF/2 APPC code should not have to "know" which CM/2 link to use (or which T/R LAN adapter to use). These decisions should be left to CM/2 and LAPS.

In addition, the workstation information file EYNAINFO.DAT is now closed after it is opened in "read-only" mode.

#### DEPENDENCIES

---

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:  
None.

Segments to be link edited:  
None.

#### Migration Considerations

=====

As follows:

The target workstation needs to be completely shutdown in order to load the files for this APAR:

- o Transfer all active console sessions, data base logging sessions, and Service Processor sessions to another wks.
- o If the target wks is a CAA then shutdown the CAA
- o If the target wks is an AG then shutdown the AG
- o If the EOCF/2 Shell is installed then un-install with the following command from the OS/2 command line:
  - EYNSUNIN
- o Rename STARTUP.CMD:
  - RENAME x:\STARTUP.CMD STARTUP.BAK
- o Shutdown the workstation and then reboot.
- o When the workstation is active then rename the target executable

files:

- RENAME x:\EOCF\BIN\- o Rename the target dynamic link libraries:
  - RENAME x:\EOCF\DLL\
- o Copy the new executable files to the x:\EOCF\BIN directory.
- o Copy the new DLL files to the x:\EOCF\DLL directory.
- o Rename STARTUP.BAK:
  - RENAME x:\STARTUP.BAK STARTUP.CMD
- o If the EOCF/2 Shell needs to be installed then install with the following command from the OS/2 command line:
  - EYNSINST
- o Shutdown and reboot the workstation.

#### MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFIELD 400 disk.

---

## IC10759 (Fixpack WR00967)

TPF DEVELOPMENT AND SUPPORT  
LSCD, Poughkeepsie NY  
July 10, 1995

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC10759

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNGTCAA  
EYNGCAA1  
EYNCTS2

There are no pre-requisites for this APAR.

#### ABSTRACT OF PROBLEM

---

If eight Device Attachments and eight Automation Gateways are defined in Workstation Management, the eighth AG will fail during startup. The failure is a DosSubAlloc() in EYNGHOST.EXE.

#### COMMENTS ON PROBLEM

---

If eight Device Attachments and eight Automation Gateways are defined in Workstation Management for a single workstation, only seven AGs will successfully start. The eighth AG will fail during startup on a DosSubAlloc() in EYNGHOST.EXE. The failure actually occurs in EYNGCAA1.DLL, which contains the routines used by the EYNGHOST.EXE programs to communicate with the CAA.

This communication is accomplished through shared memory segments between program EYNGTCAA.EXE and the EYNGHOST programs. The 64K pool allocated by EYNGTCAA is not large enough to service all 8 AGs (EYNGHOSTs).

#### SOLUTION

The size of the request for shared memory (DosSubAlloc) by EYNGHOST when retrieving the AG port's device parameters has been decreased. This will allow all eight AGs to start successfully.

#### DEPENDENCIES

Related Segments Affected By This APAR.

Segments to be assembled or compiled:  
None.

Segments to be link edited:  
None.

#### Migration Considerations

=====

As follows...

In order to load the new files, the Automation Gateway on the target workstation must be shutdown:

- o Shutdown the Automation Gateway on the target workstation.
- o Rename the existing files:
  - RENAME x:\EOCF\BIN\EYNGTCAA.EXE EYNGTCAA.BAK
  - RENAME x:\EOCF\DLL\EYNGCAAI.DLL EYNGCAAI.BAK
  - RENAME x:\EOCF\DLL\EYNCTS2.DLL EYNCTS2.BAK
- o Copy the new files to the correct directories.
- o Start the Automation Gateway on the target workstation.

#### MODIFICATION SOURCE CODE

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

## IC10815 (Fixpack WR00968)

TPF DEVELOPMENT AND SUPPORT  
LSCD, Poughkeepsie NY  
July 19,1995

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC10815

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNSMENU

There are no pre-requisites for this APAR.

#### ABSTRACT OF PROBLEM

---

If the EOCF/2 Main Menu is Maximized and then minimized, programs can not be started until the window is resized.

#### COMMENTS ON PROBLEM

---

If the EOCF/2 Main Menu is maximized, minimized, and then restored, programs can not be started until the window is resized.

#### SOLUTION

---

Logic in the EOCF/2 Main Menu was corrected to allow programs to be started whenever the window is visible.

#### DEPENDENCIES

---

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:

N/A

Segments to be link edited:

N/A

#### Migration Considerations

=====

As follows

If the EOCF/2 Shell is installed, open an OS/2 window and issue the START command.

Close all EOCF/2 Main Menus.

From an OS/2 window, Save the old program with:

```
REN \EOCF\BIN\EYNSMENU.EXE *.ex2
```

Copy the new EYNSMENU.EXE into \EOCF\BIN

You can then start the EOCF/2 Main Menu, without rebooting.

#### MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

## IC10901 (Fixpack WR00968)

TPF DEVELOPMENT AND SUPPORT  
LSCD, Poughkeepsie NY  
August 02, 1995

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC10901

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNGHOST  
EYNGMSG

Pre-requisite APARs are: IC10759

### ABSTRACT OF PROBLEM

The AG should have a mechanism to set the TPF complex name to a customer-defined value and override the complex name, obtained from keypoint I, in TPF output messages IPLB02I and DSID01I.

### COMMENTS ON PROBLEM

Currently, the TPF host identification (enterprise.complex cpuid) is determined from TPF 3.1 output messages IPLB02I and DSID01I (IPLB0002I and DSID0001I in TPF 4.1). The <enterprise.complex> portion of the host id is obtained from TPF keypoint I. EOCF/2 requires unique host ids across the platform. While not a problem for production TPF systems, in a test environment, where all the test systems have the same host id, EOCF/2 will consider a second host with the same host id as an active host as a fallback and shutdown/reopen the first host's console window, renaming the console window title bar with a host id of 'UNKNOWN.UNKNWNnn A'. This phenomenon is very familiar to customers with multiple test systems. There should be a mechanism to override the complex name with a user-defined value that would allow multiple TPF test systems to coexist with the same "internal" host ids.

### SOLUTION

The solution is to support a new OS/2 environment variable (placed in CONFIG.SYS of an Automation Gateway workstation) which has user-defined complex names for each AG port. These complex names will be used to override the complex name portion of the host identification in TPF output messages IPLB02I and DSID01I.

While this APAR fix is intended for use in a test environment, if the requirement exists, it can be used for a production TPF system.

The format of the new environment variable:

SET EYNG\_COMPLEX\_NAME=nn-name,nn-name,...,nn-name

where: nn = AG port number (a 2-digit number in the range 01-99)  
name = override complex name (a 1-8 alphanumeric value)

The AG port entries must be separated by commas and there can be any number of port definitions. Currently, EOCF/2 only supports 8 AG ports, so only values 01-name thru 08-name are applicable, even though port values up to 99 are allowed in the environment value. You only need to supply the required values. For example, if you have an AG with 5 ports configured but you only want to override the complex names for ports 1 and 4 you would code the following environment variable:

SET EYNG\_COMPLEX\_NAME=01-TEST1,04-TEST4

The order of port definitions is not important. You could code the following:

SET EYNG\_COMPLEX\_NAME=04-TEST4,01-TEST1

You can also code port definitions for non-existent ports:

SET EYNG\_COMPLEX\_NAME=01-TEST1111,04-TEST4444,08-TEST8888

Only the <complex> portion of the host id will be modified. For example, if the <enterprise.complex> portion of the host id in keypoint I is configured as DANBURY.TPFNET and you code an override complex name of 03-TEST then the <enterprise.complex> portion of the host id will become DANBURY.TEST for AG port 3.

## DEPENDENCIES

---

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:  
None.

Segments to be link edited:  
None.

## Migration Considerations

=====

To implement, CONFIG.SYS of the target AG workstation must be updated with the environment variable:

o EYNG\_COMPLEX\_NAME=nn-name,nn-name...,nn-name

The workstation will then have to be shutdown and rebooted:

- o If the target workstation is also a CAA then it must be shutdown.
- o Shutdown the AG on the target workstation.
- o Using Session Management, transfer all console sessions, database logging sessions and SVP sessions from the target workstation to another workstation.
- o Shutdown the workstation and reboot.
- o The environment variable should be active.

View the IBM-portion of the central error log for status messages and error messages. To view the IBM-portion of the central error log enter the following commands from an OS/2 window or full screen:

- o SET EYNMN\_SERVICE\_REP=1
- o START EYNMEMD

MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFIELD 400 disk.

## IC11001 (Fixpack WR00968)

August 28,1995

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC11001

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNPCNSL.EXE  
EYNPFMEM.DLL  
EYNNTDB.EXE

IC11042

ABSTRACT OF PROBLEM

---

WARP, EOCF/2 and Additional Applications may cause an out of memory condition.

COMMENTS ON PROBLEM

---

When EOCF/2 is run on OS/2 WARP with other applications running as well, an out of memory error may occur. In this case there is plenty of RAM and hard disk space (swapper space) available but out of memory errors persist. This is due to the fact that no more OS/2 arena records are available.

## SOLUTION

---

EOCF/2 installation program has been changed to use new values for database manager which use many less arena records. The values have been changed as follows...

o Parameter	our old value	our new value
o -----	-----	-----
o rqrioblk	10240	4096
o svrioblk	10240	4096
o sqlenseg	802	80
o numdb	8	8
o sheapthres	250	250
o comheapsz	32	16
o rsheapsz	32	3
o numrc	64	64

Also on refreshes of the console profile, and termination of a consol some memory segments were not properly freed.

## DEPENDENCIES

---

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:

Segments to be link edited:

Migration Considerations

=====

Steps for installing this apar.

- o Transfer all console sessions and database logging sessions off the workstation. If the AG is running on this workstation, fall TPF back to another AG and shutdown this AG.  
If the CAA is running on this workstation, verify that the other CAA is up, and shutdown the CAA server program on this workstation.
- o EYNNKILL EYNPCNSL
- o If the the EOCF/2 installation program is not running on that workstation, close it.
- o Copy EYNPCNSL.EXE \EOCF\BIN\
- o Copy EYNPFMEM.DLL \EOCF\DLL\
- o Copy EYNNTDB.EXE \EOCF\BIN\
- o Run EYNFORCE.CMD to force an installation update to the workstation.

- Do this with a reboot. Run EYNFORCE ? for help.
- o Do the installation update.
  - o If you are prompted to change the database manager configuration, select YES to install the new database manager parameters.
  - o After the installation is complete, Transfer the console sessions and database logging sessions back to this workstation.

#### BUILD/TEST INSTRUCTIONS

---

No special build/test instructions.

#### MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

## IC11042 (Fixpack WR00968)

TPF DEVELOPMENT AND SUPPORT  
IBM, Poughkeepsie NY  
August 18,1995

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC11042

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNPCNSL  
SEGMENT: EYNPMSG

There are no pre-requisites for this APAR.  
(And all previous maintenance for EYNPCNSL.EXE is included in this APAR.)

#### ABSTRACT OF PROBLEM

---

The console should support the 'Copy to Clipboard' function for the main message area.

#### COMMENTS ON PROBLEM

---

The console should support the 'Copy to Clipboard' function, so messages can be 'copied' from a console window, and 'pasted' into another window. (For example an editor window.)

## SOLUTION

Added the <ALT-C> accelerator which accesses the Copy to Clipboard function. Depending on the 'Settings' option selected, either the entire buffer of messages or just the messages visible on the console will be copied into the Clipboard. Other applications that support the 'Paste' function can then copy these messages out of the Clipboard.

## DEPENDENCIES

Related Segments Affected By This APAR.

Segments to be assembled or compiled:  
N/A

Segments to be link edited:  
N/A

## Migration Considerations

=====

As follows

- 1) Transfer all consoles off of the workstation.
- 2) Stop all automation programs.
- 3) Issue EYNNKILL EYNPCNSL to stop the console program
- 4) Backup the console with COPY \EOCF\BIN\EYNPCNSL.EXE \*.EX2
- 5) Backup the message file with COPY \EOCF\DLL\EYNPMSG.DLL \*.DL2
- 6) Copy the new .EXE and .DLL into the correct directories.
- 7) Now transfer consoles back to the workstation, and restart automation programs

## MODIFICATION SOURCE CODE

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFIELD 400 disk.

---

## IC11201 (Fixpack WR00968)

TPF DEVELOPMENT AND SUPPORT  
IBM, Poughkeepsie NY  
September 05,1995

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC11201

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNGHOST

## EYNGMSG

Pre-requisite APARs are: IC10759

### ABSTRACT OF PROBLEM

---

The Automation Gateway must have the ability to override the value in the FSC field of the output MCS header for TPF systems configured for 3215 console support (MMC).

### COMMENTS ON PROBLEM

---

For TPF systems configured with 3215 (1052) console support, EOCF/2 and TPF use an input/output MCS header to keep track of two things: (1) The LNIATA of the console window and (2) the functional characteristics of every output message. This second item (the functional characteristics) is stored in the FSC field of the output MCS header and is actually the value of the TPF ECB field CE1CRI. The FSC field of the output MCS header is used by EOCF/2 to (1) provide functional console support on the EOCF/2 platform (ie. TAPE, DASD, COMM, AUDT, etc.) and (2) to provide a means to log critical output messages. An example of the latter is the output responses to TPF input messages such as ZACOR and ZAFIL. In an unmodified TPF system, the output responses to these input messages would be flagged with the AUDT bit in the FSC field of the output MCS header and EOCF/2 would log these output messages in the message log data base even though the input messages are entered from an LNIATA other than prime CRAS.

Some customers have modified their TPF systems so that the FSC field in the output MCS header does not contain meaningful information. Because the FSC bits are not valid, the AG improperly routes the output messages.

For these customers, the AG must be changed so that it can override the FSC field in the output MCS header.

### SOLUTION

---

The AG can now be configured so that it will override the FSC field in the output MCS header. This is accomplished by placing the following new OS/2 environment variable in CONFIG.SYS:

```
SET EYNG_FSC=AUDT (or) SET EYNG_FSC=IGNORE
```

If this new environment variable is set to 'AUDT', then the AG will turn on the AUDT bit (and turn off all other bits) in the FSC field and continue normal processing. This is the recommended setting.

The effects of using EYNG\_FSC=AUDT:

- 1) FSC support on the EOCF/2 platform is available only for the AUDT functional area.

- 2) All output responses to input messages will be logged to the message log data bases no matter which console window was used to input the message to TPF.

If this new environment variable is set to 'IGNORE', then the AG will assign the value '0000' to the FSC field and continue normal processing.

The effects of using EYNG\_FSC=IGNORE:

- 1) FSC support on the EOCF/2 platform is disabled.
- 2) Critical output responses to input messages such as ZACOR, ZAFIL, etc. may not be logged to the EOCF/2 message log data bases if the input messages are entered from a console window other than prime CRAS.

Both of the above techniques will prevent the AG from misinterpreting an invalid FSC field.

To allow normal processing of the FSC field by the AG, the environment variable should be removed from CONFIG.SYS or set to some other value than 'AUDT' or 'IGNORE' (ie. SET EYNG\_FSC=OFF).

#### DEPENDENCIES

---

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:  
None.

Segments to be link edited:  
None.

Migration Considerations  
=====

To implement, CONFIG.SYS of the target AG workstation must be updated with the environment variable:

- o SET EYNG\_FSC=AUDT (or) SET EYNG\_FSC=IGNORE

The workstation will then have to be shutdown and rebooted:

- o If the target workstation is also a CAA then it must be shutdown.
- o Shutdown the AG on the target workstation.
- o Using Session Management, transfer all console sessions, database logging sessions and SVP sessions from the target workstation to another workstation.
- o Rename the existing files:
  - RENAME x:\EOCF\BIN\EYNGHOST.EXE EYNGHOST.EX2

- RENAME x:\EOCF\DLL\EYNGMSG.DLL EYNGMSG.DL2
- o Copy in the new files:
  - copy EYNGHOST.EXE into the directory x:\EOCF\BIN
  - copy EYNGMSG.DLL into the directory x:\EOCF\DLL
- o Shutdown the workstation and reboot.
- o The environment variable should be active.

View the IBM-internal portion of the central error log for status messages. To view the IBM-internal portion of the central error log enter the following commands from an OS/2 window or full screen:

- o SET EYNMN\_SERVICE\_REP=1
- o START EYNMEMD

#### BUILD/TEST INSTRUCTIONS

---

No special build/test instructions.

#### MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

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## IC11350 (Fixpack WR00969)

TPF DEVELOPMENT AND SUPPORT  
 IBM, Poughkeepsie NY  
 October 02, 1995

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
 VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC11350

REFERENCE: AREA: EOCF/2  
 SEGMENT: EYNPCNSL  
 SEGMENT: EYNPDISP

There are no pre-requisites for this APAR.

#### ABSTRACT OF PROBLEM

---

Customers have asked for the PAUSE key to pause the console. (and it should un-pause when the key is hit again.)

#### COMMENTS ON PROBLEM

---

The PAUSE key should stop more data from scrolling off the screen.

## SOLUTION

---

The EOCF/2 console window has been updated to allow the PAUSE key to pause and un-pause scrolling of the main console window.

## DEPENDENCIES

---

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:

N/A

Segments to be link edited:

N/A

## Migration Considerations

=====

As follows

- 1) Transfer all consoles off of the workstation.
- 2) Stop all automation programs.
- 3) Issue EYNNKILL EYNPCNSL to stop the console program
- 4) Backup the console with REN \EOCF\BIN\EYNPCNSL.EXE \*.EX2
- 5) Backup the console dll with REN \EOCF\DLL\EYNPDISP.DLL \*.DL2
- 6) Copy the new .EXE and .DLL into the correct directories.
- 7) Now transfer consoles back to the workstation, and restart automation programs. (The console will automatically start.)

## BUILD/TEST INSTRUCTIONS

---

No special build/test instructions.

## MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

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## IC11414 (Fixpack WR00969)

TPF DEVELOPMENT AND SUPPORT  
IBM, Poughkeepsie NY  
October 31,1995

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC11414

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNDUPLS

There are no pre-requisites for this APAR.

#### ABSTRACT OF PROBLEM

---

A "command line" version of the "Save Query to File" program is required which will not use the Presentation Manager interface to communicate with the operator.

#### COMMENTS ON PROBLEM

---

The "Save Query to File" program, EYNDUPLS.EXE, should be modified so that it can be executed from the OS/2 command line. This implies that when the "Save Query to File" program is executed with command line parameters, it will NOT communicate via the current Presentation Manager dialog box and dialog popup messages. This function is required for the following reasons:

1. To simplify the sample automatic archival and delete package (TLX)
2. To allow the development of a new "Message Log Query" function which can be accessed from an EOCF/2 console window

#### SOLUTION

---

The program EYNDUPLS.EXE has been modified to accept seven (7) positional command line arguments. The invocation syntax is:

- o EYNDUPLS <all seven positional parameters separated by spaces>

The seven positional parameters are:

1. host complex name (1-8 chars)
2. host cpuid (1-2 chars)
3. start date in format MM-DD-YY
4. start time in format HH.MM.SS
5. end date in format MM-DD-YY
6. end time in format HH.MM.SS
7. output filename

In order to suppress the dialog popup windows that may result, the "unattended workstation" function of EOCF/2 must be used. This is accomplished by setting (and then unsetting) the environment variable: SET EYNC\_UNATTENDED=YES

Please take a look at the REXX command file CLSQTF.COMD (supplied with this APAR) for an example of how to call the command line version of the "Save Query to File" program EYNDUPLS.EXE, setting and unsetting the "unattended

workstation" environment variable, and checking the new return codes from EYNDUPLS.EXE.

The following REXX command files are supplied with this APAR:

- o CLSQTF.CMD - executes the program EYNDUPLS.EXE with command line parameters
- o CLSQTFRC.CMD - called when an error occurs to analyze the return codes from EYNDUPLS.EXE
- o CLMLQ.CMD - example of a command line "Message Log Query"

#### DEPENDENCIES

---

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:  
None,

Segments to be link edited:  
None,

Migration Considerations  
=====

To load the new program EYNDUPLS.EXE:

- o Close any active "Save Query to File" applications.
- o Rename the old version:
  - REN x:\EOCF\BIN\EYNDUPLS.EXE EYNDUPLS.EX2
- o Copy the new version of EYNDUPLS.EXE into x:\EOCF\BIN

#### BUILD/TEST INSTRUCTIONS

---

No special build/test instructions.

#### MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

## IC11517 (Fixpack WR00969)

TPF DEVELOPMENT AND SUPPORT  
IBM, Poughkeepsie NY  
October 20,1995

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),

VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC11517

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNPCNSL.EXE  
EYNPIREQ.EXE

Pre-requisite APAR:  
IC11042

#### ABSTRACT OF PROBLEM

---

Window List and Console Window Title Do Not Agree

#### COMMENTS ON PROBLEM

---

When an EOCF/2 console window is refreshed with a user profile, the window list is not updated with the id of the new profile. Instead, it retains the id of the previous profile that was applied. Also the S00 option of the console window requester does not work properly if the CAA database was created with DB2/2. The S00 option is used to force the FSC requester to pre-select PRC and Shadow TA:00.

#### SOLUTION

---

The window list is now properly updated when a new user profile is applied to the console. The S00 option has been fixed to properly pre-select PRC as the FSC.

#### DEPENDENCIES

---

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:

Segments to be link edited:

#### Migration Considerations

---

As follows

- 1) Transfer all consoles off of the workstation.
- 2) Make sure the FSC Console Requester and Alternate Console Requester applications are not running on the workstation.
- 3) Stop all automation programs.
- 4) Issue EYNNKILL EYNPCNSL to stop the console program
- 5) Backup the console with COPY \EOCF\BIN\EYNPCNSL.EXE \*.EX2
- 6) Backup the console requester with COPY \EOCF\BIN\EYNPIREQ.EXE \*.EX2
- 7) Copy the new .EXE files into the \EOCF\BIN directory
- 8) Now transfer consoles back to the workstation, and restart

automation programs.

#### BUILD/TEST INSTRUCTIONS

No special build/test instructions.

#### MODIFICATION SOURCE CODE

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

## IC11549 (Fixpack WR00969)

TPF DEVELOPMENT AND SUPPORT  
IBM, Poughkeepsie NY  
October 20, 1995

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC11549

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNCT3.DLL  
EYNCT3DB.EXE

Pre-requisite APARs are:  
IC06919

#### ABSTRACT OF PROBLEM

LOSS OF EOCF/2 CONSOLE CMD LINE INPUT WITH 3270 AG.

#### COMMENTS ON PROBLEM

Input from an EOCF/2 Console can possibly be lost for a system with the 3270 AG if the 3270 cursor position is bad. This cursor position can not be seen by the EOCF/2 console user and an update to the EOCF/2 3270 interface is required.

#### SOLUTION

The EOCF/2 3270 AG interface for TPF mode #TPF" has been updated to correct this problem. If a command is to be sent into TPF and the cursor is not already at a proper input field the cursor is moved before the command is entered so the command is not lost. Also the EOCF/2 3270 screen dump utility (EYNCT3DB) was updated to include a message indicating if the cursor is cur-

rently at an input field according to 3270 attributes. This updated EYNCT3DB should be run on the AG to dump 3270 screen information in the event a problem occurs with command line input. The dump is only useful if run when during the time of the problem. Usage: EYNCT3DB <3270 adapter #> -dump

#### DEPENDENCIES

---

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:

Segments to be link edited:

#### Migration Considerations

=====

As follows

- 1) Fallback TPF consoles (ZACRS FBK) to another EOCF/2 AG workstation
- 2) Shutdown the Automation Gateway
- 3) Copy \EOCF\DLL\EYNCT3.DLL \*.DL2
- 4) Copy the new EYNCT3.DLL into the \EOCF\DLL directory
- 5) Copy \EOCF\BIN\EYNCT3DB.EXE \*.EX2
- 6) Copy the new EYNCT3DB.EXE into the \EOCF\BIN directory
- 7) Start the Automation Gateway
- 8) Fallback the TPF console back to this EOCF/2 AG workstation

#### BUILD/TEST INSTRUCTIONS

---

No special build/test instructions.

#### MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

## IC11798 (Fixpack WR00969)

TPF DEVELOPMENT AND SUPPORT  
IBM, Poughkeepsie NY  
November 07,1995

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC11798

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNPFMEM

Pre-requisite APARs are:  
IC06335, IC11001

#### ABSTRACT OF PROBLEM

---

Several threads of the console TP program (EYNPTMNE.EXE) should have larger stacks. These threads are located in the file EYNPFMEM.DLL. This will prevent traps that result from stack exhaustion/corruption.

#### COMMENTS ON PROBLEM

---

Several threads of the console TP program, EYNPTMNE.EXE, were found to have stacks that need to be increased in size. These threads are contained in the file EYNPFMEM.DLL. This will prevent traps from occurring as a result of increased stack usage.

#### SOLUTION

---

The stacks that are used by the threads contained in file EYNPFMEM.DLL have been increased in size.

#### DEPENDENCIES

---

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:  
None.

Segments to be link edited:  
None.

Migration Considerations  
=====

In order to load the new file EYNPFMEM.DLL:

- o Shutdown (or transfer) any console windows on the destination wks.
- o Shutdown all automation programs (REXX and C).
- o Exit the console program:
  - EYNNKILL EYNPCNSL
- o Rename the old DLL:
  - RENAME x:\EOCF\DLL\EYNPFMEM.DLL EYNPFMEM.BAK
- o Copy in new file EYNPFMEM.DLL to the directory x:\EOCF\DLL

The console program (EYNPCNSL.EXE) does not need to be restarted - it will restart automatically when a console window is opened.

## BUILD/TEST INSTRUCTIONS

No special build/test instructions.

## MODIFICATION SOURCE CODE

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

# IC11889 (Fixpack WR00969)

TPF DEVELOPMENT AND SUPPORT  
IBM, Poughkeepsie NY  
November 16,1995

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC11889

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNNCMU

There are no pre-requisites for this APAR.

## ABSTRACT OF PROBLEM

EOCF/2 Installation and Configuration can create an invalid  
\CMLIB\EYNCMLIB.NDF file. Sometimes a trap occurs from EYNNCMU.EXE.

## COMMENTS ON PROBLEM

If there are too many spaces following an LU name in an EYNCMLIB.NDF file, EOCF/2 Installation and Configuration has problems processing the file. Sometimes an invalid EYNCMLIB.NDF file is created, and sometimes EYNNCMU.EXE traps.

## SOLUTION

The EOCF/2 Installation and Configuration program now can handle the extra spaces on an LU name in an EYNCMLIB.NDF file. A valid EYNCMLIB.NDF file will be created.

## DEPENDENCIES

Related Segments Affected By This APAR.

Segments to be assembled or compiled:  
N/A

Segments to be link edited:  
N/A

Migration Considerations  
=====

As follows

- 1) Save the old copy of EYNNCMU.EXE with the command  
RENAME \EOCF\BIN\EYNNCMU.EXE EYNNCMU.EX2
- 2) Copy the new EYNNCMU.EXE to the \EOCF\BIN directory.
- 3) The program is now ready to be used. No reboot is necessary.

BUILD/TEST INSTRUCTIONS

No special build/test instructions.

MODIFICATION SOURCE CODE

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFIELD 400 disk.

---

**IC11896 (Fixpack WR00969)**

TPF DEVELOPMENT AND SUPPORT  
IBM, Poughkeepsie NY  
November 17, 1995

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC11896

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNGHOST  
EYNGMSG

Pre-requisite APARs are: IC10759

ABSTRACT OF PROBLEM

Two new requirements: (1) Force hot backup console windows to always use terminal address 00 on input messages. (2) Ignore the TPF deactivation output messages (message ids PSMSxxxx).

## COMMENTS ON PROBLEM

Two new requirements:

- 1) Force the "hot backup" console windows (R/W, FSC=PRC, shadowing TA=00) to always use terminal address 00 in the input MCS header. Normally, the hot backup console windows will only use TA=00 when TPF is below 1052 state and will use their actual terminal addresses when at 1052 state and above. This implies that, normally, a hot backup console window will use TPF LNIATA 010000 when below 1052 state and TPF LNIATA 0100xx when at or above 1052 state.

The reason for this new requirement is that some TPF sites have modifications in TPF which only allow LNIATA 010000 to enter certain input messages.

- 2) The AG must be configured so that it will ignore the TPF deactivation output messages which are the responses to the TPF input message 'ZPSMS PR DEACT x'. These output message ids have the format PSMSxxxx. Normally, when the AG receives a TPF deactivation output message, it will send a "host status" message to the CAA which will result in the prime CRAS console window being shutdown and reopened with a host name of 'UNKNOWN.UNKNWNxx A'. In addition, any other console windows which happen to be open for this host will also be shutdown.

The reason for this new requirement is that some customers have requested that the prime CRAS console window (and all other associated console windows) remain open after a TPF deactivation.

## SOLUTION

Solution for requirement (1):

The AG has been modified to recognize a new OS/2 environment variable:

```
SET EYNG_FORCE_TA_00=1
```

When this environment variable is set in CONFIG.SYS the AG will always use terminal address 00 in the input MCS header for "hot backup" console windows, even when TPF is at 1052 state or above. This environment variable will be in effect for ALL AG ports on the workstation. When this environment variable is set, an informational message will be logged in the internal portion of the central error log.

NOTE: After implementing this new function, the prime CRAS console window will receive ALL output responses that are being routed to the hot backup console windows. While this was always the case when TPF was below 1052 state, it is a change when TPF is at or above 1052 state.

Solution for requirement (2):

The AG has been modified to recognize a new OS/2 environment variable:

```
SET EYNG_IGNORE_TPF_DEACT=1
```

When this environment variable is set in CONFIG.SYS the AG will ignore all TPF deactivation output messages (PSMSxxxx). This environment variable will be in effect for ALL AG ports on the workstation. When this environment variable is set, an informational message will be logged in the internal portion of the central error log.

#### DEPENDENCIES

---

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:  
None.

Segments to be link edited:  
None.

#### Migration Considerations

=====

Depending upon which new function is required, CONFIG.SYS must be updated with one (or both) new environment variable(s).

To implement this APAR on the target workstation:

- o Update CONFIG.SYS with the environment variable(s).
- o Shutdown the AG.
- o Rename the old programs:
  - RENAME x:\EOCF\BIN\EYNGHOST.EXE \*.EX2
  - RENAME x:\EOCF\DLL\EYNGMSG.DLL \*.DL2
- o Copy in the new EYNGHOST.EXE to the directory x:\EOCF\BIN
- o Copy in the new EYNGMSG.DLL to the directory x:\EOCF\DLL
- o Shutdown and reboot the workstation
- o After the reboot of the wks is complete, check the internal error log for the information message(s) logged.

To "backout" one of these new functions, the environment variable must be deleted from CONFIG.SYS and the workstation must be rebooted.

#### BUILD/TEST INSTRUCTIONS

---

No special build/test instructions.

#### MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

## IC12039 (Fixpack WR00969)

December 15,1995

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC12039

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNPCNSL.EXE  
EYNPUTIL.EXE

Pre-requisite APARs are:

IC11042

IC11001

### ABSTRACT OF PROBLEM

Need option to allow EOCF/2 consoles to be minimized to an icon.

### COMMENTS ON PROBLEM

Part of the original EOCF/2 console design made it so that EOCF/2 console could not be minimized. Customers need to be able to define whether or not they want to allow the minimize option.

### SOLUTION

The EOCF/2 console program, EYNPCNSL.EXE, has been changed to allow the console to be minimized if the EYNP\_ICON environment variable is set to 1 in config.sys (SET EYNP\_ICON=1). The EOCF/2 console utility program, previously shipped with EOCFTOOL.ZIP has been updated to allow the following options...

/I=<iconcolor> - changes the icon color

where <iconcolor> may be WHITE, GREEN, YELLOW, or RED

/MIN - minimizes the console window.

/MAX - maximizes the console window.

/RESTORE - restores the console window.

/ARRANGE - arranges consoles on desktop.

/DELALLHELD - deletes all messages from the held message area.

CONSUTIL.CMD is a REXX program which invokes EYNPUTIL and displays the return code. Run CONSUTIL /H for help on all the options available to EYNPUTIL.EXE.

### DEPENDENCIES

---

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:

Segments to be link edited:

Migration Considerations

=====

- o Transfer all console sessions and database logging sessions off the workstation. If the AG is running on this workstation, fall TPF back to another AG and shutdown this AG. If the CAA is running on this workstation, verify that the other CAA is up, and shutdown the CAA server program on this workstation.
- o From an OS/2 window enter EYNNKILL EYNPCNSL
- o REN \EOCF\BIN\EYNPCNSL.EXE \EOCF\BIN\EYNPCNSL.EX2
- o Copy new EYNPCNSL.EXE to \EOCF\BIN\EYNPCNSL.EXE
- o Copy new EYNPUTIL.EXE to \EOCF\BIN\EYNPUTIL.EXE
- o Copy new CONSUTIL.CMD to \EOCF\BIN\CONSUTIL.CMD
- o Put the following environment variable into CONFIG.SYS...  
SET EYNP\_ICON=1
- o Reboot the workstation
- o Transfer the console sessions and database logging sessions back to this workstation.

BUILD/TEST INSTRUCTIONS

---

No special build/test instructions.

MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

**IC12047 (Fixpack WR00969)**

December 11,1995

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC12047

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNPFEXE  
EYNNCMU

There are no pre-requisites for this APAR.

## ABSTRACT OF PROBLEM

New function required to allow the operator to execute a program from the console window command line. This program can be an OS/2 command file, an OS/2 REXX command file, or an executable (\*.EXE).

## COMMENTS ON PROBLEM

A new function is required which will allow the operator (or an EOCF/2 automation program) to execute a program from the console window command line. This program can be an OS/2 command file (\*.CMD), an OS/2 REXX command file (\*.CMD), or an executable program (\*.EXE). In addition, the operator (or automation program) must be able to pass parameters to the program at execution time.

## SOLUTION

A new 32-bit console TP API DLL has been created (EYNPFEXE.DLL) which will allow the operator (or EOCF/2 automation program) to start programs from the console window command line.

The invocation syntax is:

o EXECPGM <program name> <parameters>

<program name> can be an OS/2 command file, an OS/2 REXX command file, or an executable program. The file extension (.CMD or .EXE) must be included. The path can be included if required.

<parameters> are optional and may include the following substitution variables:

- o %ENTERPRISECOMPLEX
- o %ENTERPRISE
- o %COMPLEX
- o %CPUID

Invocation examples:

- o EXECPGM (null) | ? | HELP (help information)
- o EXECPGM TEST1.EXE PARM1 PARM2
- o EXECPGM CEL.CMD
- o EXECPGM D:\UTIL\TEST2.CMD P1 P2
- o EXECPGM F:\LANDRIVE\TEST3.EXE /P1=1 /P2=TWO

An important use of the EXECPGM function is to execute the command line message log query program CLMLQ.CMD which was introduced in APAR IC11414:

o EXECPGM CLMLQ.CMD %COMPLEX %CPUID 15 0 C:\CLMLQ.OUT

To facilitate usage, PF keys can be defined.

All files necessary to build EYNPFEXE.DLL have been included in this APAR:

- o EYNPFEXE.C - 32-bit C source code
- o EYNPFEXE.M32 - 32-bit make file
- o EYNPFEXE.D32 - 32-bit definition file

NOTE: If the file EYNPFEXE.DLL is enabled on a workstation where the EOCF/2 Shell is installed, then an operator will have the ability to execute programs in addition to those in the EOCF/2 Main Menu.

The program EYNNCMU.EXE has been modified to define the TP program EYNPTMNE as PRESENTATION\_MANAGER instead of BACKGROUND. This was necessary to preclude errors when starting certain program types.

#### DEPENDENCIES

---

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:  
None.

Segments to be link edited:  
None.

Migration Considerations  
=====

To install the new DLL (EYNPFEXE.DLL) you must do the following on the target workstations. These are the workstations where console windows are displayed:

- o Shutdown or transfer all console windows to another workstation.
- o Change the CM/2 definition of the TP program EYNPTMNE from BACKGROUND to PRESENTATION\_MANAGER.
- o Copy the new file EYNPFEXE.DLL to the directory x:\EOCF\DLL
- o Update (or create) the file x:\EOCF\BIN\TPDLLS.DAT with the following line:
  - x:\EOCF\DLL\EYNPFEXE.DLL
- o Transfer back (or start) the console windows.

If errors occur, please look at the internal error log and the user error log.

If the workstation is logging centrally, internal errors and user errors can be viewed at the same time by executing the following commands from an OS/2 window:

- o SET EYNMN\_SERVICE\_REP=1
- o START EYNMEMD.EXE

If the workstation is logging locally, then look at the internal error log file and the user error log file:

- o x:\EOCF\BIN\EYNCIERR.LOG (internal error log)
- o x:\EOCF\BIN\EYNCUERR.LOG (user error log)

#### BUILD/TEST INSTRUCTIONS

---

No special build/test instructions.

#### MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

## IC12073 (Fixpack WR00969)

December 13,1995

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC12073

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNSOS2

There are no pre-requisites for this APAR.

#### ABSTRACT OF PROBLEM

---

The OS/2 Option does not appear in the Window List, and it should.

#### COMMENTS ON PROBLEM

---

When the OS/2 Option is running, it should appear in the Window List. This enables it to be selected and shutdown without the icon having to be found. This is especially useful if the icon is in the Minimized Window Viewer.

#### SOLUTION

---

The OS/2 Option now appears in the Window List. If it is selected, you are asked to confirm that you wish to shutdown the OS/2 Option.

#### DEPENDENCIES

---

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:

N/A

Segments to be link edited:

N/A

Migration Considerations

=====

As follows

-----

This APAR can be installed with the EOCF/2 CSD installation process or by the following method:

- 1) Stop the OS/2 Option.
- 2) Backup up the program with: REN \EOCF\BIN\EYNSOS2.EXE EYNSOS2.EX2
- 3) Copy the new EYNSOS2.EXE to \EOCF\BIN
- 4) The New OS/2 Option can now be started.

Hint: Using the START command, will keep an OS/2 window open after the OS/2 Option is closed.

-----

BUILD/TEST INSTRUCTIONS

---

No special build/test instructions.

MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

**IC12271 (Fixpack WR00970)**

January 24,1996

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC12271

REFERENCE: AREA: EOCF/2  
SEGMENT: DLLSAMPL.DLL  
MONSAMP4.EXE

There are no pre-requisites for this APAR.

## ABSTRACT OF PROBLEM

---

Changes required for the DLLSAMPL (ZSTAT/core-block monitor/graph) for TPF 4.1.

## COMMENTS ON PROBLEM

---

Message Id's for TPF 4.1 are changed from 7 to 9 characters. This includes the output message from ZSTAT, STAT0008I. Also with TPF 4.1 Put 4, the output message from ZSTAT is changed to STAT0010I. The Console TP API sample, DLLSAMPL, and Console Monitor API sample, MONSAMP4, utilize the output message from ZSTAT to display graphical charts of core block utilization. DLLSAMPL.DLL needs to be updated to support STAT0008I and STAT0010I. MONSAMPL.EXE needs to be updated to support STAT0010I.

## SOLUTION

---

The sample program DLLSAMPL.DLL was modified to work with all versions of the ZSTAT output, STAT08I, STAT0008I, and STAT0010I. This way only 1 DLL needs to be loaded for multiple levels of TPF. DLLSAMPL.DLL was also updated to give the option of the bar graphs changing colors when certain percentages are reached. To allow this option DLLSAMPL.C must be recompiled with the /DBARCOLORCHANGE option. To build with this option see DLLSAMPL.M32 for more information or use DLLSAMPL.DL2 which is built with this option and included in this package. DLLSAMPL.DL2 must be renamed to DLLSAMPL.DLL. The console monitor sample program, MONSAMP4.EXE, was also updated to accept STAT0010I. The new source code, DLLSAMPL.C and MONSAMPL.C, is distributed with this apar.

## DEPENDENCIES

---

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:

Segments to be link edited:

Migration Considerations

=====

Recommended Migration Scenario

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Follow these guidelines to apply this support to your system.

For DLLSAMPL.DLL

- Transfer any consoles to another workstation.
- COPY \EOCF\DLL\DLLSAMPL.DLL \EOCF\DLL\DLLSAMPL.BAK
- COPY new DLLSAMPL.DLL to \EOCF\DLL\DLLSAMPL.DLL
- Transfer the consoles back to the workstations.

For MONSAMP4.EXE

- Shutdown the existing MONSAMP4.EXE program (MONSAMP4 STOP from the

- console)  
- Copy existing MONSAMP4.EXE to MONSAMP4.BAK  
- Copy in the new MONSAMP4.EXE  
- START MONSAMP4.EXE

#### BUILD/TEST INSTRUCTIONS

---

===BUILD Instructions===

No special build instructions.

===TEST Instructions===

No special test instructions.

#### MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

## IC13893 (Fixpack WR00970)

September 05,1996

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC13893

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNNADB.EXE  
EYNNCMU.EXE  
EYNFORCE.CMD

#### ABSTRACT OF PROBLEM

---

Updates are required to the EOCF/2 Installation program to support DB2/2 2.1 and greater.

#### COMMENTS ON PROBLEM

---

DB2/2 provides remote data services which allows communications to remote databases. CPI-C side information is now required in the CM/2 configuration to support this. Another EOCF/2 Installation update is for the DB2/2 SOFTMAX

values to be changed to 100. An update to the EOCF/2 pre-requisite software check routine will be done in another APAR.

## SOLUTION

The EOCF/2 installation program EYNNCMU.EXE was updated to add CPI-C Side information to the EYNCMLIB.NDF file. The program EYNNNTDB.EXE was changed to use SOFTMAX values of 100.

All DB2/2 2.1 workstations require the following lines added to config.sys:  
SET DB2SERVICETPINSTANCE=DB2 SET DB2COMM=APPC (See the DB2/2 Version 2 'Installation and Operation Guide' for adding additional protocols via DB2COMM.)

EYNNCMU.EXE was also changed to support the new DB2/2 2.1 Service transaction programs which are preloaded. The EOCF/2 install program will not make these changes if DB2/2 Server version 1.2 or earlier is installed. The following are the TP entries in the CM/2 configuration for the DB2/2 version 2.1 workstations which the EOCF/2 installation program adds:

1)Check Service TP  
Transaction program (TP) name X'07'6DB  
OS/2 program path and file name notused  
Check Conversation security required

2)Check Service TP  
Transaction program (TP) name X'07'6SN  
OS/2 program path and file name notused  
Check Conversation security required

The Additional TP Parameters for both of these are Background and Queued, operator preloaded.

## DEPENDENCIES

Related Segments Affected By This APAR.

Segments to be assembled or compiled:

Segments to be link edited:

### Migration Considerations

=====

On each workstation...

- 1.) Do any necessary backup of databases using Database Utilities
- 2.) If the Shell Feature is on the workstation, remove it.
- 3.) Make sure the EOCF/2 Installation program is not running
- 4.) COPY EYNNNTDB.EXE \EOCF\BIN\
- 5.) COPY EYNNCMU.EXE \EOCF\BIN\
- 6.) COPY EYNFORCE.CMD \EOCF\BIN\
- 7.) Add the following statements to the CONFIG.SYS on the workstation...

```
SET DB2SERVICETPINSTANCE=DB2
SET DB2COMM=APPC
```

- 8.) Please see chapter 2 of the 'DB2/2 Installation and Operation Guide'

Note: Before installing use db2ckmig command from diskette 1 or the product directory on the CD-ROM.

Follow the DB2/2 2.11 documentation to install the product, fixpak, and migrate any databases on the workstation.

At the time of this APAR, DB2/2 FixPak 8090 was used. Please utilize the latest fixpak available for DB2/2 or contact your EOCF/2 service representative for a recommendation.

Hint: to migrate the pointers and databases...

```
DB2MIGDR <drive of SQLDBDIR>
```

```
ex: DB2MIGDR D
```

This only migrates the pointers to the databases.

```
DB2 MIGRATE DATABASE <dbname>
```

Do this for each database on the workstation.

- 9.) An EOCF/2 installation update is required to update the workstation configuration. The shell feature can be reinstalled along with this installation update.

For each CAA in the system...

```
EYNFORCE <workstation name> <CAA Name> REBOOT
```

- 10.) Use Installation and Configuration application to do the installation update for this workstation.

## BUILD/TEST INSTRUCTIONS

---

===BUILD Instructions===

No special build instructions.

Stubs to be built:

===TEST Instructions===

No special test instructions.

## MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

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## IC14460 (Fixpack WR00970)

August 14,1996

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC14460

REFERENCE: AREA: EOCF/2  
SEGMENT: PCADD.SYS  
PSCA.ABS

Pre-requisite APARs are:  
IC08024

### ABSTRACT OF PROBLEM

---

MMC Device Driver fails to load on a PC 320 with a 133 mhz Pentium CPU

### COMMENTS ON PROBLEM

---

The MMC Device driver failed to load on an IBM PC 320 with a 133 mhz Pentium CPU. The following errors were seen from the config.sys MMC device driver statement when the workstation was booting up...

UNABLE TO SET MMC PARAMETERS  
ADAPTER COMMAND NOT ACKNOWLEDGED

The workstation continued to come up but when the AG was started, the port for that adapter failed. The adapter failed to open and no console window came up for that AG port.

### SOLUTION

---

The MMC device driver routine to timeout when loading the adapter ran too quickly on this machine. This timeout routine in PCADD.SYS has been updated to be independent of CPU speed. The latest microcode for the MMC card is also distributed with this APAR, PSCA.ABS.

### DEPENDENCIES

---

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:

Segments to be link edited:

Migration Considerations

=====

Recommended Migration Scenario

-----

- 1) Rename \EOCF\BIN\PCADD.SYS PCADD.SY1
- 2) Rename \EOCF\BIN\PSCA.ABS PSCA.AB1
- 3) Copy new PCADD.SYS to \EOCF\BIN
- 4) Copy new PSCA.ABS to \EOCF\BIN
- 5) ZACRS fallback any TPF Consoles using this AG to their alternates
- 6) Shutdown the AG
- 7) Transfer any console or dbs sessions off the workstation
- 8) If the CAA is on this workstation, shutdown the CAA.
- 9) Shutdown and reboot the workstation

BUILD/TEST INSTRUCTIONS

-----

===BUILD Instructions===

No special build instructions.

Stubs to be built:

===TEST Instructions===

No special test instructions.

MODIFICATION SOURCE CODE

-----

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

**IC14928 (Fixpack WR00971)**

\*\*\*\*\*  
\* This fix is for EOCF/2 CSD 2 (OS/2 2.1 or later) Only!!  
\* See IC14928 ZIPC1BIN for the fix for EOCF/2 CSD 1 (OS/2 1.3)  
\*\*\*\*\*

September 16,1996

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC14928

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNPCMDL.DLL

There are no pre-requisites for this APAR.

#### ABSTRACT OF PROBLEM

---

Requirement to have option of <shift> <up arrow> for the console command retrieve.

#### COMMENTS ON PROBLEM

---

A problem can occur if an operator hits the <up arrow> accidentally and then the enter key, reentering a command. To avoid this an option can be added to make <shift> <up arrow> and <shift> <down arrow> the retrieve keys for the console.

#### SOLUTION

---

An optional environment variable can now be set (SET EYNP\_SHIFT\_RETRIEVE=1) in CONFIG.SYS to make the retrieve keys for the console be <SHIFT><UP ARROW> and <SHIFT><DOWN ARROW>

#### DEPENDENCIES

---

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:

Segments to be link edited:

#### Migration Considerations

=====

#### Recommended Migration Scenario

-----

1. Transfer all console sessions off the workstation.
2. EYNNKILL EYNPCNSL
3. REN \EOCF\DLL\EYNPCMDL.DLL \EOCF\DLL\\*.DL2
4. COPY new EYNPCMDL.DLL to \EOCF\DLL\EYNPCMDL.DLL
5. Add the following line to the end of CONFIG.SYS  
SET EYNP\_SHIFT\_RETRIEVE=1
6. Transfer any Database Logging Sessions off the workstation
7. If this workstation is a CAA, do a CAA Server Shutdown
8. Shutdown and reboot the workstation

#### BUILD/TEST INSTRUCTIONS

---

===BUILD Instructions===

No special build instructions.

Stubs to be built:

===TEST Instructions===

No special test instructions.

#### MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

## IC15322 (Fixpack WR00971)

October 24,1996

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC15322

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNGTDBS.EXE

There are no pre-requisites for this APAR.

#### ABSTRACT OF PROBLEM

---

Many TPF bell characters may cause the EOCF/2 console to slowdown.

#### COMMENTS ON PROBLEM

---

All EOCF/2 consoles for a host may slowdown if many bell (CCW) characters are output from TPF. The problem occurs in the automation gateway (AG) if this slowdown occurs, shutting down the primary and duplicate logging sessions via session management will clear the problem.

#### SOLUTION

---

This problem is only likely to occur for Non-Native TPF Consoles (3215). A message line that comes out from TPF with only the bell character does not get sent to the database and so the buffer for that message line is now returned to the system. Previously the buffer was lost and after many of these buffers were lost, internal AG delay queue input processing started to allow the output queue processing to catch up. Unfortunately these buffers

were lost forever so the problem was only cleared by stopping the database session. The fix for this APAR assures that those buffers are properly returned to the system.

## DEPENDENCIES

---

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:

Segments to be link edited:

Migration Considerations

=====

Note: This executable is an AG program and should be installed on workstations with the AG feature.

Recommended Migration Scenario

-----

1. Use ZACRS to fallback the TPF host(s) to another AG.
2. Shutdown the AG.
3. Rename \EOCF\BIN\EYNGTDBS.EXE \EOCF\BIN\EYNGTDBS.EX2
4. Copy the new EYNGTDBS.EXE to \EOCF\BIN directory
5. Start the AG
6. Use ZACRS to fallback the TPF host(s) to this AG.

Other Migration Scenarios

-----

This method may cause some messages to be missing from the database logs. It may also be tough to do since the shutdown logging sessions may come back up before the fix can be applied.

1. Use Session Management to Shutdown all the database logging sessions with this AG as the service workstations.
2. Rename \EOCF\BIN\EYNGTDBS.EXE \EOCF\BIN\EYNGTDBS.EX2
3. Copy the new EYNGTDBS.EXE to \EOCF\BIN directory
4. Run Restart Database Logging on the appropriate DBS workstations to reestablish the logging sessions.

## BUILD/TEST INSTRUCTIONS

---

===BUILD Instructions===

No special build instructions.

Stubs to be built:

===TEST Instructions===

No special test instructions.

MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFIELD 400 disk.

---

**IC15974 (Fixpack WR00971)**

December 30,1996

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC15974

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNMDBM.EXE  
SEGMENT: EYNMFILM.EXE  
SEGMENT: EYNMHMW.EXE  
SEGMENT: EYNMUMW.EXE  
SEGMENT: EYNMVMW.EXE  
SEGMENT: EYNMWMW.EXE  
SEGMENT: EYNMAMW.EXE  
SEGMENT: EYNAMTP.EXE  
SEGMENT: EYNCERD2.EXE

There are no pre-requisites for this APAR.

ABSTRACT OF PROBLEM

---

This APAR provides the required updates to the EOCF/2 executable segments to provide year 2000 support. Other product upgrades may also be needed for your site.

COMMENTS ON PROBLEM

---

This APAR provides the updates to the EOCF/2 executable code to provide proper processing after January 1st, 2000, with the current two-digit year dating scheme.

SOLUTION

---

In addition to this APAR, the following EOCF/2 dependant software needs to be at the following levels or newer:

- o Communications Manager/2 V1.1
- o DB2 for OS/2 V2.1
- o OS/2 V4 (Warp 4)

## DEPENDENCIES

---

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:

N/A

Segments to be link edited:

N/A

Migration Considerations

=====

Recommended Migration Scenario

-----

1. Close any of the following EOCF/2 utility application windows which are open:

- Application Management
- Console Filter Management
- Host Management
- Service Management
- User Management
- Workstation Management

2. EYNNKILL EYNCERD2

3. REN \EOCF\BIN\EYNMDBM.EXE \EOCF\BIN\\*.EX2

4. REN \EOCF\BIN\EYNMFILM.EXE \EOCF\BIN\\*.EX2

5. REN \EOCF\BIN\EYNMHHMW.EXE \EOCF\BIN\\*.EX2

6. REN \EOCF\BIN\EYNMUMW.EXE \EOCF\BIN\\*.EX2

7. REN \EOCF\BIN\EYNMVMW.EXE \EOCF\BIN\\*.EX2

8. REN \EOCF\BIN\EYNMWMW.EXE \EOCF\BIN\\*.EX2

9. REN \EOCF\BIN\EYNMAMW.EXE \EOCF\BIN\\*.EX2

10. REN \EOCF\BIN\EYNAMTP.EXE \EOCF\BIN\\*.EX2

11. REN \EOCF\BIN\EYNCERD2.EXE \EOCF\BIN\\*.EX2

12. Copy new EYNMDBM.EXE to \EOCF\BIN\EYNMDBM.EXE

13. Copy new EYNMFILM.EXE to \EOCF\BIN\EYNMFILM.EXE

14. Copy new EYNMHHMW.EXE to \EOCF\BIN\EYNMHHMW.EXE

15. Copy new EYNMUMW.EXE to \EOCF\BIN\EYNMUMW.EXE

16. Copy new EYNMVMW.EXE to \EOCF\BIN\EYNMVMW.EXE

17. Copy new EYNMWMW.EXE to \EOCF\BIN\EYNMWMW.EXE

18. Copy new EYNMAMW.EXE to \EOCF\BIN\EYNMAMW.EXE

19. Copy new EYNMAMTP.EXE to \EOCF\BIN\EYNMAMTP.EXE

20. Copy new EYNCERD2.EXE to \EOCF\BIN\EYNCERD2.EXE

21. START EYNCERD2

22. Any of the utility application windows which were closed may be restarted from the EOCF/2 main menu. The workstation does NOT need to be rebooted for the changes to take effect.

## BUILD/TEST INSTRUCTIONS

---

===BUILD Instructions===

No special build instructions.

Stubs to be built:

===TEST Instructions===

Change the date to any time after 1/1/2000 on the primary CAA and issue EYNCIWIM -SYNCTIME from all other workstations on the EOCF/2 network.

## MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

## IC16077 (Fixpack WR00971)

December 24,1996

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC16077

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNXDCUT

There are no pre-requisites for this APAR.

### ABSTRACT OF PROBLEM

---

When the grave accent character ( ` ) is entered from a 3270 console, it is sent into TPF as a single quote character ( ' ).

### COMMENTS ON PROBLEM

---

For 3270 console, if the grave accent character (x79) was entered, it appeared on the TPF console as a single quote character (x7D). The single quote character was actually sent to TPF.

## SOLUTION

---

The grave accent character is now correctly sent into TPF when it is entered from the keyboard.

## DEPENDENCIES

---

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:  
None

Segments to be link edited:  
None

## Migration Considerations

=====

As follows

- 1) Fall back all TPF sessions using the Automation Gateway to another Automation Gateway.
- 2) Stop the Automation Gateway.
- 3) Backup EYNXDCUT.DLL in \EOCF\DLL with the command  
REN EYNXDCUT.DLL EYNXDCUT.DL2
- 4) Place the new EYNXDCUT.DLL in \EOCF\DLL
- 5) Start the Automation Gateway.

## MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

## IC16133 (Fixpack WR00971)

January 14,1997

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC16133

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNCT3

There are no pre-requisites for this APAR.

## ABSTRACT OF PROBLEM

---

MCS header is still sent to TPF command after entering #VM" or #TPF" command in VM3215 mode.

## COMMENTS ON PROBLEM

---

When a user entered #VM" or #TPF" command in the VM3215 mode, the MCS header would still be sent to TPF.

## SOLUTION

---

When #VM" or #TPF" command is entered, the MCS header is not sent to TPF.

## DEPENDENCIES

---

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:

None

Segments to be link edited:

None

## Migration Considerations

=====

- 1) Fall back all TPF sessions using the Automation Gateway to another Automation Gateway.
- 2) Stop the Automation Gateway.
- 3) Backup EYNCT3.DLL in \EOCF\DLL with the command  
    RENAME EYNCT3.DLL EYNCT3.DL2
- 4) Place the new EYNCT3.DLL in \EOCF\DLL.
- 5) Start the Automation Gateway.

## BUILD/TEST INSTRUCTIONS

---

===BUILD Instructions===

No special build instructions.

Stubs to be built:

===TEST Instructions===

No special test instructions.

## MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

## IC16523 (Fixpack WR00971)

March 07,1997

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC16523

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNPCNSL.EXE

Pre-requisite APARs are:  
IC12039 and its pre-requisite APARs

### ABSTRACT OF PROBLEM

Hitting the delete key or selecting close from the Window list (CTRL-ESC) of an operator opened EOCF/2 console causes all consoles to disappear.

### COMMENTS ON PROBLEM

An EOCF/2 console workstation can contain multiple console windows. An operator initiated console window can be closed from the console window itself or the Window/Task list. If this is done from the Window List by selecting the console window entry and hitting delete, all console windows on the EOCF/2 workstation will disappear. Hitting the "Ctrl" and "Esc" keys together is a way to get to the Window List on an OS/2 and thus EOCF/2 workstation.

### SOLUTION

The main console program, EYNPCNSL.EXE, was fixed to correctly ask the operator if the console window, and only that window, which was selected in the Window List should be closed.

### DEPENDENCIES

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:

Segments to be link edited:

Migration Considerations

=====

- 1) Transfer all consoles off of the workstation.
- 2) Stop all automation programs.
- 3) Issue EYNNKILL EYNPCNSL to stop the console program.
- 4) Backup the console with COPY \EOCF\BIN\EYNPCNSL.EXE \*.EX2
- 5) Copy the new EYNPCNSL.EXE into the \EOCF\BIN directory.
- 6) Now transfer consoles back to the workstation, and restart automation programs

#### BUILD/TEST INSTRUCTIONS

---

===BUILD Instructions===

No special build instructions.

Stubs to be built:

===TEST Instructions===

No special test instructions.

#### MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

## IC16525 (Fixpack WR00971)

April 09,1997

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC16525

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNPCNSL

There are no pre-requisites for this APAR.

#### ABSTRACT OF PROBLEM

---

Command files can now select the line to "resume" from by double clicking on a line. This can be used to resume anywhere in a command file.

## COMMENTS ON PROBLEM

---

Previously, a command file could be started from the first line with the "run" button. If a command file was interrupted with the "break" button, it could be restarted from that instruction using the "resume" button. Now after using the "break" button, the user can double click on a line with the mouse and that line will become the line to be started on when the user selects "resume".

## SOLUTION

---

The console "Run command file" window has been updated with this new function.

## DEPENDENCIES

---

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:

None

Segments to be link edited:

None

## Migration Considerations

=====

As follows

- o Transfer all console sessions off the workstation.
- o From an OS/2 window enter EYNNKILL EYNPCNSL
- o REN \EOCF\BIN\EYNPCNSL.EXE \EOCF\BIN\EYNPCNSL.EX2
- o Copy new EYNPCNSL.EXE to \EOCF\BIN\EYNPCNSL.EXE
- o Transfer the console sessions back to this workstation.

## BUILD/TEST INSTRUCTIONS

---

===BUILD Instructions===

No special build instructions.

Stubs to be built:

===TEST Instructions===

No special test instructions.

## MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

## IC16548 (Fixpack WR00971)

March 10,1997

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC16548

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNPCNSL

There are no pre-requisites for this APAR.

### ABSTRACT OF PROBLEM

Truncated PF key definitions on EOCF/2 console session

### COMMENTS ON PROBLEM

EOCF/2 allows users to define up to 100 character string for each console function key in Host System Management. However, when users try to retrieve defined text using the function keys, it is corrupted. This occurs with keys define with more than 80 characters.

### SOLUTION

EYNPCNSL.EXE has been changed to correct the corruption problem.

### DEPENDENCIES

Related Segments Affected By This APAR.

Segments to be assembled or compiled:  
None

Segments to be link edited:  
None

### Migration Considerations

=====

1) Transfer all console sessions to another workstation using Session Management.

- 2) Terminate EYNPCNSL by typing EYNNKILL EYNPCNSL.
- 3) Backup EYNPCNSL.EXE in \EOCF\BIN with the command  
    RENAME EYNPCNSL.EXE EYNPCNSL.EX2
- 4) Place the new EYNPCNSL.EXE in \EOCF\BIN.
- 5) Use Session Management to transfer the console windows back to this workstation.

Note: See IC09056.DOC for migration for new EYNPCNSL.EXE

#### BUILD/TEST INSTRUCTIONS

---

===BUILD Instructions===

No special build instructions.

Stubs to be built:

===TEST Instructions===

No special test instructions.

#### MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

## IC16835 (Fixpack WR00971)

March 26,1997

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC16835

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNGHOST.EXE

There are no pre-requisites for this APAR.

#### ABSTRACT OF PROBLEM

---

The EOCF/2 Automation Gateway tags the incorrect message IDs to the second part of a long (chained) message block if the chained message is interrupted by either a CINP or a COUT message.

## COMMENTS ON PROBLEM

---

A TPF host system has a small set of messages which are sent out by a special send macro which can interrupt a chained message from the TPF system. There is code in the EOCF/2 executable segment EYNGHOST.EXE which handles these special message IDs and saves away the message ID of the chained message in order to reassign it to the rest of the chained after the special message has completed processing. However, the special message IDs CINP and COUT are not in that list. So when a message from a TPF host is sent with one of these two message IDs, the automation gateway incorrectly tags the second part of the chained message. As a result, console filtering for the chained message does not work correctly and the messages are saved in the message log database with the incorrect message ID of CINP or COUT rather than the correct chained message's ID.

## SOLUTION

---

EOCF/2 executable segment EYNGHOST.EXE has been updated to also check for the CINP and COUT message IDs in the list of message IDs which can interrupt chained messages. If one of these two message IDs is sent, then the chained message's message ID is saved away and then continued to be used for assigning to the lines of the chained message block after the special message has finished being sent.

## DEPENDENCIES

---

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:

N/A

Segments to be link edited:

N/A

## Migration Considerations

=====

The following procedure is the suggested migration scenario for loading the new EYNGHOST.EXE to your EOCF/2 system:

- From the EOCF/2 main menu, stop the AG on which the new EYNGHOST.EXE will be loaded to.
- Go to the EOCF/BIN directory on that machine.
- Rename the current EYNGHOST.EXE to EYNGHOST.EX2
- Copy in the new EYNGHOST.EXE
- From the EOCF/2 main menu, restart the AG.

## MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

## IC16872 (Fixpack WR00971)

April 07,1997

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC16872

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNPCNSL  
EYNPTMNE  
EYNPREXX  
EYNPTMON

There are no pre-requisites for this APAR. However, it does include previous maintenance to these executables and DLLs.

### ABSTRACT OF PROBLEM

EOCF/2 console startup failed w/internal error and message EYNXX1001E.

### COMMENTS ON PROBLEM

An EOCF/2 prime cras console attempted to startup on a workstation and failed with the following errors in the central error log.

- o EYNXX1001E - indicating that there was a failure creating a queue.
- o EYNPM2049E - console TP is abending due to an internal error.

This problem occurred after a TPF fallback.

### SOLUTION

The particular queue that was being created for the console utilized the process id for part of the queue name. The process id is unsigned and needed to be treated this way. The problem would only occur after many process id's had been used up, which usually means that the workstation was up and not rebooted for a long time.

### DEPENDENCIES

Related Segments Affected By This APAR.

Segments to be assembled or compiled:

Segments to be link edited:

## Migration Considerations

=====

- 1) Transfer all consoles off of the workstation.
- 2) Stop all automation programs.
- 3) Issue EYNNKILL EYNPCNSL to stop the console program
- 4) Backup EYNPCNSL.EXE with REN \EOCF\BIN\EYNPCNSL.EXE \*.EX2
- 5) Backup EYNPTMNE.EXE with REN \EOCF\BIN\EYNPTMNE.EXE \*.EX2
- 6) Backup EYNPREXX.DLL with REN \EOCF\DLL\EYNPREXX.DLL \*.DL2
- 7) Backup EYNPTMON.DLL with REN \EOCF\DLL\EYNPTMON.DLL \*.DL2
- 8) Copy the new .EXE and .DLL into the correct directories.
- 9) Now transfer consoles back to the workstation, and restart automation programs. (EYNPCNSL.EXE will automatically start.)

## BUILD/TEST INSTRUCTIONS

====BUILD Instructions====

No special build instructions.

Stubs to be built:

====TEST Instructions====

No special test instructions.

## MODIFICATION SOURCE CODE

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

## IC17006 (Fixpack WR00971)

April 10,1997

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC17006

REFERENCE: AREA: EOCF/2  
SEGMENT: ALARM.EXE

There are no pre-requisites for this APAR.

## ABSTRACT OF PROBLEM

---

EOCF/2 sample console API program ALARM causes memory leak from MMPM/2.

## COMMENTS ON PROBLEM

---

The EOCF/2 Sample console api program ALARM.EXE version which invokes MMPM's PLAY.CMD causes MMPM.DLL to lose memory. If this ALARM program is run continuously without rebooting, then it is possible to begin seeing SYS0008 and/or SYS1059 errors. SYS0008: There is not enough memory available to process this command. All available memory is in use. SYS1059: The system cannot execute the specified program.

OS/2 is investigating this problem further, but a work-around can be provided in the ALARM.EXE program.

## SOLUTION

---

The EOCF/2 ALARM program version which invokes MMPM/2 was starting the REXX program EYNPSOND.CMD via DosExecPgm(). EYNPSOND.CMD then called PLAY.CMD to play a wave file. Starting EYNPSOND.CMD with DosStartSession() caused the same problem. ALARM.C is being changed to call the MMPM API mciSendString(). Utilizing mciSendString() and doing the 'open' only once solves the problem caused by OS/2 APAR PJ24419. The fix for OS/2 APAR PJ24419 is not required for the alarm program when this new version is installed.

The ALARM program is also being changed to allow the console filter rule parameter field to specify the wave file. The wave files must reside in the execution directory of the ALARM program. If no wave files are specified on the console filter rule, then the last wave file will be used. The default wave file is BWEEEP.WAV.

Please see ALARM.C for further details.

## DEPENDENCIES

---

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:

Segments to be link edited:

### Migration Considerations

=====

### Recommended Migration Scenario

-----

- Exit the Alarm program by CTRL-C.
- REN ALARM.EXE ALARM.EX2
- Copy in new ALARM.EXE
- Copy BWEEEP.WAV and other wave files into the same directory as

- ALARM.EXE.
- Update Console filter rules parameter field if a different sound is desired.
  - Restart ALARM program

#### BUILD/TEST INSTRUCTIONS

---

===BUILD Instructions===

No special build instructions.

Stubs to be built:

===TEST Instructions===

No special test instructions.

#### MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFIELD 400 disk.

---

## IC17111 (Fixpack WR00972)

May 22,1997

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC17111

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNPCMDL.DLL

There are no pre-requisites for this APAR.

#### ABSTRACT OF PROBLEM

---

The numeric keypad keystrokes on a console window do not work correctly if the Num Lock key is on for a workstation.

#### COMMENTS ON PROBLEM

---

In an EOCF/2 console window, the numeric keypad is available for entering

keystrokes for a console session. When the Num Lock key is set to off, then the keypad can be used for entering cursor control input. When the Num Lock key is set to on, then the keypad should allow you to enter numeric input. The problem occurs when the Num Lock key is set to on. In this case, if the 2 key or the 8 key is pressed on the numeric keypad when the command line is active, then the respective command is recalled and either a '2' or an '8' character is appended to the end of the recalled command (based on which key was pressed).

## SOLUTION

EYNPCMDL.DLL has been rebuilt to do additional checking for the current state of the Num Lock key. If the Num Lock key is set on then the '2' character and the '8' character keys from the keypad will work correctly without having commands retrieved also.

## DEPENDENCIES

Related Segments Affected By This APAR.

Segments to be assembled or compiled:

Segments to be link edited:

## Migration Considerations

=====

The following is a recommended migration scenario in order to install the updated EYNPCMDL.DLL to your EOCF/2 environment:

- 1) Transfer all consoles off the workstation.
- 2) Issue EYNNKILL EYNPCNSL
- 3) Backup the program by REN EYNPCMDL.DLL EYNPCMDL.DL2
- 4) Copy the new EYNPCMDL.DLL to \EOCF\DLL
- 5) Transfer the consoles back to the workstation.  
(EYNPCNSL will automatically be started.)

## BUILD/TEST INSTRUCTIONS

===BUILD Instructions===

No special build instructions.

Stubs to be built:

===TEST Instructions===

No special test instructions.

## MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

## IC17274 (Fixpack WR00971)

April 14,1997

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC17274

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNPTMNE

Pre-requisite APARs are:

IC06446  
IC07556  
IC10191  
IC11798

### ABSTRACT OF PROBLEM

---

EYNPTMNE.EXE traces messages should be sent to the trace log, eynctrac.log, not the internal error log, eyn-cierr.log.

### COMMENTS ON PROBLEM

---

Messages from EYNPTMNE.EXE "Continuation of message nested too deep" and "Continuation of message that never started" are for tracing and should go to the trace log, not the internal error log.

### SOLUTION

---

These messages are now sent to the trace log when the EYNPTMNE x10 trace switch is set. This can be set by the command:

```
EYNCTRAC EYNPTMNE 0x10
```

And can be turned off with the command

```
EYNCTRAC EYNPTMNE 0x00
```

### DEPENDENCIES

---

## Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:

None

Segments to be link edited:

None

### Migration Considerations

=====

As follows

-----

All console sessions must be shutdown or transferred from the target workstation:

- o Using the EOCF/2 application Session Management, shutdown any console sessions or transfer the console sessions from the target workstation.
- o Rename the existing file on the target workstation:
  - RENAME x:\EOCF\BIN\EYNPTMNE.EXE EYNPTMNE.EX2
- o Copy the new file EYNPTMNE.EXE to the target workstation in the \EOCF\BIN directory.
- o Using the EOCF/2 application Session Management, transfer the console sessions back to the target workstation.

### BUILD/TEST INSTRUCTIONS

---

===BUILD Instructions===

No special build instructions.

Stubs to be built:

===TEST Instructions===

No special test instructions.

### MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

# IC17542 (Fixpack WR00972)

June 06,1997

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC17542

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNPFLTR.DLL  
EYNHHELP.HLP

There are no pre-requisites for this APAR.

## ABSTRACT OF PROBLEM

Problem with console filter rule message IDs with lower case letters.

## COMMENTS ON PROBLEM

If an EOCF/2 console filter rule message ID has lower case letters included in it, then it can cause other filter rules not to apply properly. The rules with lower case letters can cause the binary rule search to fail and thus other rules can be affected. Lower case console filter search keys are not a problem. A workaround to this problem is to change the console filter rules which have lower case message IDs to upper case

## SOLUTION

Since message IDs should be unique regardless of case, the search has been changed to be case insensitive. In fact, TPF message IDs should always be upper case. The binary search routine within EYNPFLTR.DLL has been changed to be case insensitive.

## DEPENDENCIES

Related Segments Affected By This APAR.

Segments to be assembled or compiled:

Segments to be link edited:

Migration Considerations

=====

1. Transfer all consoles sessions to other workstations.
2. REN \EOCF\DLL\EYNPFLTR.DLL \EOCF\DLL\EYNPFLTR.DL2.

3. COPY the new EYNPFLTR.DLL to the \EOCF\DLL directory.
4. EYNHHELP.HLP is not required for the fix. This version contains the changes to the help panel for the change in making the search through the message IDs case insensitive. If you wish to install it, all EOCF/2 programs must be stopped and the file EYNHHELP.HLP can then be copied to the \EOCF\HLP directory.

#### BUILD/TEST INSTRUCTIONS

---

===BUILD Instructions===

No special build instructions.

Stubs to be built:

===TEST Instructions===

No special test instructions.

#### MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

## IC18053 (Fixpack WR00972)

December 10,1997

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC18053

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNPCNSL  
SEGMENT: EYNPDISP  
SEGMENT: EYNPMSG

There are no pre-requisites for this APAR.

#### ABSTRACT OF PROBLEM

---

Allow the fonts in the console message area and command line to be saved across console sessions.

## COMMENTS ON PROBLEM

---

Currently the font for the console message area can be changed with the 'Fonts...' option. This setting was not saved for new consoles that were created.

## SOLUTION

---

There is a new option from the console pull-down. If you choose 'Settings...' then 'Save Font Size Now' the current font name and font size settings for the held message area, and the message area will be saved. (Not the style, for example Bold or Italic.) In addition, the font for the command line input area will also be saved. (This font can be changed by using the OS/2 Font Palette application. See the Font Palette application help for more information on how to drag and drop a new font to the command line.)

This information is saved in a file \EOCF\BIN\EYNPCNSL.INI. This file can be deleted to reset to the default settings.

## DEPENDENCIES

---

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:

N/A

Segments to be link edited:

N/A

## Migration Considerations

=====

As follows

-----

- 1) Transfer all console sessions off the console workstation.
- 2) Stop all automation programs running on the workstation.
- 3) Issue the command EYNNKILL EYNPCNSL to stop the console program.
- 4) Backup the console program in \EOCF\BIN with the command  
REN EYNPCNSL.EXE EYNPCNSL.EX2
- 5) Copy the new EYNPCNSL.EXE to \EOCF\BIN
- 6) Backup the console DLLs in \EOCF\DLL with the commands  
REN EYNPMSG.DLL EYNPMSG.DL2  
REN EYNPDISP.DLL EYNPDISP.DL2
- 7) Copy the two new DLLs to \EOCF\DLL
- 8) Transfer the consoles back to this workstation.

## BUILD/TEST INSTRUCTIONS

---

===BUILD Instructions===

No special build instructions.

Stubs to be built:

===TEST Instructions===

No special test instructions.

#### MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

## IC19597 (Fixpack WR00972)

December 16,1997

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC19597

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNXSCUT  
EYNNCNBS

Pre-requisite APARs are:  
IC08710

#### ABSTRACT OF PROBLEM

---

Support for ISA 3270 cards required for AG and SVP.

#### COMMENTS ON PROBLEM

---

The EOCF/2 AG and SVP need to support an ISA 3270 card. This APAR provides support for the IBM 3278/79 Emulation Adapter. As with the MCA 3270 support, Up to 4 IBM 3278/79 Emulation Adapters are supported per workstation.

#### SOLUTION

---

Support was added to the EOCF/2 3270 device driver (EYNXSCUT.SYS) to allow communications with an ISA 3270 adapter, the IBM 3278/79 Emulation Adapter. Up to 4 cards are supported per workstation. The EOCF/2 installation program, EYNNCNBS.EXE, has been updated to add parameters to the EYNXSCUT.SYS device driver statement as follows:

DEVICE="x:\EOCF\BIN\EYNXSCUT.SYS" 1=CE 2=D0 3=D2 4=D4

These parameters are ignored for MCA bus workstations.

For ISA 3270 adapters, the parameters are used to specify an 8-KB memory page below the 1-MB boundary. Therefore the parameter 1=CE would specify that CE000 to CFFFF is the 8-KB of memory used for the first adapter. The adapter setting (first, second, third, fourth) is done with switches on the card. The adapter setting corresponds to the adapter number specified in the device parameters for the 'CUT TPF3270' device attachment in the EOCF/2 Workstation Management application. For the 'CUT SVP' device attachment, the device number corresponds to the adapter setting. These switch settings and more hardware information on the card can be found in the documentation which comes with the IBM 3278/79 Emulation Adapter, '3270 Emulation Cards: Guide to Operations'.

If less than 4 ISA 3270 cards are being used then the extra parameters may be removed from the EYNXSCUT device driver statement in config.sys.

The following is some BIOS setup information which may be different on your workstation. Use this as a general guide...  
In SETUP go into ISA legacy resources and make these changes

Memory resources CE000 CFFFF Not Available  
and addresses for additional cards  
I/O port 2D0 2DF Not Available  
and I/O addresses for other cards  
Interrupt Resources IRQ 9 Not Available  
Advanced Setup  
Rom Shadowing CC000 CFFFF Not Available  
and addresses for additional cards

## DEPENDENCIES

---

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:

Segments to be link edited:

## Migration Considerations

=====

1. Copy \EOCF\BIN\EYNXSCUT.SYS EYNXSCUT.SY2
2. Copy \EOCF\BIN\EYNNCNBS.EXE EYNNCNBS.EX2
3. Copy new EYNXSCUT.SYS and EYNNCNBS.SYS to \EOCF\BIN
4. Install the IBM 3278/79 Emulation Adapter(s) with the correct jumper and bios settings.
5. Use Workstation Management to configure the device attachment and automation gateway/service processor.
6. Do the associated installation update.
7. Modify the EYNXSCUT.SYS device driver statement in config.sys if necessary as described in the Solution section.  
Reboot if config.sys was changed.

BUILD/TEST INSTRUCTIONS

---

===BUILD Instructions===

No special build instructions.

Stubs to be built:

===TEST Instructions===

No special test instructions.

MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

**IC19598 (Fixpack WR00972)**

December 30,1997

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC19598

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNNWWF.BND  
EYNNWWF.EXE  
EYNALDB.BND  
EYNALDB.EXE  
EYNCPCA.DLL  
EYNGMSG.DLL  
EYNGTCAA.EXE  
EYNNMSG.DLL  
EYNNMMW.EXE  
EYNNCNBS.EXE  
EYNUDEFP.BND  
EYNUDEFP.EXE  
NCA.CFG  
SC3215R.STD  
SC3215S.STD  
SNOW960.ABS  
SNOWDDT.SYS  
SNOWMCM.CON  
SNOWMCM.DMP

SNOWMCM.EXE  
SNOWMCM.POR  
SNOWMSG.MSG

There are no pre-requisites for this APAR.

#### ABSTRACT OF PROBLEM

---

Provides support for the 9663-001 PCI ESCON card in EOCF/2.

#### COMMENTS ON PROBLEM

---

The EOCF/2 AG needs to support a PCI ESCON card for 3215 console.

#### SOLUTION

---

EOCF/2 provides support for PCI ESCON cards. It allows users to have 3215 consoles without relying on the MicroChannel to Mainframe Connection (MMC) cards and MCA bus workstation. Users can configure the new ESCON cards in Workstation Management similar to the 3270 cards and MMC cards. EOCF supports up to two 9663-001 PCI ESCON cards per server. Each card can be configured for up to 8 AG ports or subchannels with a maximum total of 8 ports per AG. The NCA.CFG file contains the ESCON channel configuration. If a workstation has a direct connection to the mainframe (no ESCON director), then no changes are required for this file. However, if an ESCON director is used, users are required to update the ADDR statement in NCA.CFG. For example:

```
ADDR=cc dd0 ..... cc - subchannel address  
dd - ESCON director port to TPF host processor
```

A new utility called EYNUDEFP is provided. It adds the PCI ESCON card's default device parameters into CAA database. This command is for use only on the existing EOCF/2 machines for the migration.

#### DEPENDENCIES

---

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled: None

Segments to be link edited: None

#### Migration Considerations

=====

Please note, the following are minimal installation instructions. It is recommended that all the new files are installed on the CAAs and the EYNNFILE.LST updated with the new files so that new workstation installations get all the new files. These instructions

assume that Workstation Management (EYNMWMW.EXE) will be run on the CAAs, although it could be run on any EOCF/2 workstation which is not an AG-only machine.

A. On each CAA.

1. Transfer all console sessions off the workstation and run EYNNKILL EYNPCNSL so that EYNNMSG.DLL can be installed.
2. Shutdown all administration program such as Workstation Management, Session Management, Database Utilities, etc.
3. Backup the following files
  - Copy \EOCF\BND\EYNALDB.BND to \EOCF\BND\EYNALDB.BN2
  - Copy \EOCF\BIN\EYNALDB.EXE to \EOCF\BIN\EYNALDB.EX2
  - Copy \EOCF\BIN\EYNNWWF.EXE to \EOCF\BIN\EYNNWWF.EX2
  - Copy \EOCF\BND\EYNNWWF.BND to \EOCF\BND\EYNNWWF.BN2
  - Copy \EOCF\BIN\EYNMWMW.EXE to \EOCF\BIN\EYNMWMW.EX2
  - Copy \EOCF\DLL\EYNNMSG.DLL to \EOCF\DLL\EYNNMSG.DL2
4. Copy the new EYNALDB.EXE to \EOCF\BIN  
Copy the new EYNALDB.BND to \EOCF\BND  
Copy the new EYNNWWF.EXE to \EOCF\BIN  
Copy the new EYNNWWF.BND to \EOCF\BND  
Copy the new EYNMWMW.EXE to \EOCF\BIN  
Copy the new EYNNMSG.DLL to \EOCF\DLL  
Copy EYNUDEFP.EXE to \EOCF\BIN  
Copy EYNUDEFP.BND to \EOCF\BND
5. Enter 'EYNUDEFP <CAA database name>'.  
6. Select Data Base Utilities in the EOCF main menu. Highlight the CAA database and execute 'Rebind' under the 'Utilities' menu.

B. On Each AG which will utilize the 9663-001

1. Use ZACRS to fallback the host to another AG.
2. Run 'Automation Gateway Shutdown' from the EOCF/2 Main Menu.
3. Transfer all console sessions off the workstation and run EYNNKILL EYNPCNSL so that EYNGMSG.DLL can be installed.
4. Backup the following files.
  - Copy \EOCF\BND\EYNNWWF.BND to \EOCF\BND\EYNNWWF.BN2
  - Copy \EOCF\BIN\EYNNWWF.EXE to \EOCF\BIN\EYNNWWF.EX2
  - Copy \EOCF\BIN\EYNCPCA.DLL to \EOCF\BIN\EYNCPCA.DL2
  - Copy \EOCF\BIN\EYNGMSG.DLL to \EOCF\BIN\EYNGMSG.DL2
  - Copy \EOCF\BIN\EYNGTCAA.EXE to \EOCF\BIN\EYNGTCAA.EX2
  - Copy \EOCF\BIN\EYNNCNBS.EXE to \EOCF\BIN\EYNNCNBS.EX2
5. Copy the new EYNNWWF.EXE to \EOCF\BIN  
Copy the new EYNNWWF.BND to \EOCF\BND  
Copy the new EYNCPCA.DLL to \EOCF\DLL  
Copy the new EYNGMSG.DLL to \EOCF\DLL  
Copy the new EYNGTCAA.EXE to \EOCF\BIN  
Copy the new EYNNCNBS.EXE to \EOCF\BIN
6. Copy the 9663-001 device driver files to \EOCF\BIN: NCA.CFG, SC3215R.STD, SC3215S.STD, SNOW960.ABS, SNOWDDT.SYS, SNOWMCM.CON, SNOWMCM.DMP, SNOWMCM.EXE, SNOWMCM.POR, SNOWMSG.MSG.
7. Install the IBM 9663-001 PCI ESCON card.
8. Use Workstation Management on a CAA to configure the device attachment and automation gateway. Make certain to enter the subchannel address in the device parameter.

9. Enter 'EYNFORCE <AG Workstation name> <CAA Database> REBOOT' for EACH CAA.
10. Select Installation and Configuration to update EACH AG.
11. It is recommended that the following environment variable is added to config.sys  
SET EYNG\_INPUT\_MSG\_PAUSE\_MSEC=250  
See APAR IC08263 for more information.

#### BUILD/TEST INSTRUCTIONS

---

===BUILD Instructions===

No special build instructions.

Stubs to be built:

===TEST Instructions===

No special test instructions.

#### MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

## IC19673 (Fixpack WR00972)

January 05,1998

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC19673

REFERENCE: AREA: EOCF/2  
SEGMENT: PSCA.ABS

There are no pre-requisites for this APAR.

#### ABSTRACT OF PROBLEM

---

A new version of the MMC card microcode (PSCA.ABS) is available which eliminates many of the unit check, sense 20, status's presented to TPF on the 1052 PRC.

## COMMENTS ON PROBLEM

---

Customers who have EOCF/2 consoles connected to their TPF systems via the MMC (Microchannel to Mainframe Connection) cards may be experiencing many unit check, sense 20, channel report words being reported on their system consoles. If enough of these unit checks occur over a very short time period, these unit checks may actually cause TPF to send the PRC through fallback processing. A new version of PSCA.ABS is available which will greatly reduce the number of unit check, sense 20s, which customers will experience on their 1052 Prime CRASs.

## SOLUTION

---

Customers who are running with MMC cards and 3215 console support on their TPF systems, and are seeing a large number of unit check, sense 20, channel report words presented on their system consoles should install this version of the MMC microcode (PSCA.ABS) on their EOCF/2 AG workstations. Customers who install this new microcode are strongly advised to also apply the TPF APAR PJ25239. Customers who are seeing a large number of these unit check, sense 20s, are also susceptible to receiving lost interrupts on their TPF host system, and the TPF APAR PJ25239 will prevent the above mentioned lost interrupts.

## DEPENDENCIES

---

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:

N/A

Segments to be link edited:

N/A

Migration Considerations

=====

on their EOCF/2 AG workstations. The following installation scenario should be used:

- o AGs should be updated one at a time.
- o Fallback any console console sessions running through this AG to an alternate AG.
- o If the AG is also a database server, fallback the database sessions to an alternate database server.
- o If the AG is also a CAA, then shutdown the CAA database on the AG.
- o Transfer any console windows on this workstation to another console workstation.
- o In the \EOCF\BIN directory, rename the current PSCA.ABS file to a backup name (PSCA.AB1 is a possible example).
- o Copy the new version of PSCA.ABS into the \EOCF\BIN directory.
- o Shutdown the EOCF/2 AG, and reboot the workstation.
- o When the AG workstation has rebooted, you may transfer sessions back onto the AG workstation.

## BUILD/TEST INSTRUCTIONS

---

===BUILD Instructions===

No special build instructions.

Stubs to be built:

===TEST Instructions===

No special test instructions.

## MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

### IC20543 (Fixpack WR00973)

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC20543

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNGHOST.EXE

There are no pre-requisites for this APAR.

#### ABSTRACT OF PROBLEM

---

EOCF/2 Automation Gateway does not recognize non-standard Recoup message IDs.

#### COMMENTS ON PROBLEM

---

Some of the Recoup messages contain non-standard format. They use hexadecimal message IDs, such as RECP001AT, and EOCF/2 does not recognize them. Additional filter rules are required to work around this problem.

#### SOLUTION

---

EOCF/2 recognizes non-standard Recoup message IDs.

#### DEPENDENCIES

---

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:

Segments to be link edited:

Migration Considerations

=====

1. Stop automation gateway running on the workstation.
2. Backup the AG program in \EOCF\BIN with the command  
rename EYNGHOST.EXE EYNGHOST.EX2
3. Copy the new EYNGHOST.EXE to \EOCF\BIN
4. Restart the automation gateways again.

BUILD/TEST INSTRUCTIONS

---

===BUILD Instructions===

No special build instructions.

Stubs to be built:

===TEST Instructions===

No special test instructions.

MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

## IC20752 (Fixpack WR00973)

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC20752

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNNCNBS.EXE

There are no pre-requisites for this APAR.

## ABSTRACT OF PROBLEM

Update EOCF installation program to support the shared interrupt request (IRQ) for the 9663-001 PCI Escon card.

## COMMENTS ON PROBLEM

In the case of the 9663-001 cards, it may be necessary for one or both of the cards to share IRQs with other PCI plug-and-play devices. As a result, the EOCF/2 installation program needs to include the "Q" parameter on the device driver statement for the 9663-001 cards in the CONFIG.SYS file of the EOCF/2 Automation Gateway when these cards are defined on the Automation Gateway workstation.

## SOLUTION

The EOCF/2 installation program is updated to include the "Q" parameter on the device driver statement for the 9663-001 cards in the CONFIG.SYS file, so that multiple PCI plug-and-play devices can coexist in a workstation. For example

```
DEVICE=C:\EOCF\BIN\SNOWDDT.SYS M=C:\EOCF\BIN\SNOW960.ABS
N=C:\EOCF\BIN\SNOWMCM C1=C:\EOCF\BIN\NCA.CFG
C2=C:\EOCF\BIN\NCA.CFG Q
```

## DEPENDENCIES

Related Segments Affected By This APAR.

Segments to be assembled or compiled:  
None

Segments to be link edited:  
None

## Migration Considerations

=====

1. Stop automation gateway running on the workstation.
2. Transfer any consoles or database sessions from this workstation.
3. Backup the program in \EOCF\BIN with the command  
    rename EYNNCNBS.EXE EYNNCNBS.EX2
3. Copy the new EYNNCNBS.EXE to \EOCF\BIN
4. Forces an installation update for each CAA:  
    eynforce <workstation name> <CAA DB name> reboot.
5. Run "Installation and Configuration" from EOCF/2 Main Menu and follow the instructions.

None

BUILD/TEST INSTRUCTIONS

---

===BUILD Instructions===

No special build instructions.

Stubs to be built:

===TEST Instructions===

No special test instructions.

MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

**IC21045 (Fixpack WR00973)**

May 29,1998

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC21045

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNCPCA

There are no pre-requisites for this APAR.

ABSTRACT OF PROBLEM

---

EYNCPCA.DLL logs too many errors to the Central Error Log, when a 9663-001 or MMC card is used.

COMMENTS ON PROBLEM

---

Program eyncpcsd.c, line 263, in eyncpca.dll sends error messages to the Central Error Log. These are normal conditions, and a retry usually completes successfully.

SOLUTION

---

An error message is only sent to the Central Error Log when a retry fails.

## DEPENDENCIES

---

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:

N/A

Segments to be link edited:

N/A

Migration Considerations

=====

As follows

1. Use 'ZACRS FBK' to fallback TPF consoles off this Automation Gateway.
2. Stop automation gateway running on the workstation.
3. Backup the program in \EOCF\DLL with the command  
    rename EYNCPCA.DLL EYNCPCA.DL2
4. Copy the new EYNCPCA.DLL to \EOCF\DLL
5. Restart the automation gateway

## BUILD/TEST INSTRUCTIONS

---

===BUILD Instructions===

No special build instructions.

Stubs to be built:

===TEST Instructions===

No special test instructions.

## MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

**IC21067 (Fixpack WR00973)**

June 16,1998

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC21067

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNPFEXE.DLL

Pre-requisite APARs are: IC12047

ABSTRACT OF PROBLEM

Console Filter DLL EYNPFEXE upper cases console input.

COMMENTS ON PROBLEM

If the EXECPGM console filter DLL (EYNPFEXE.DLL) is installed and configured for a console workstation, then it causes all console input of 7 characters or more to automatically be upper cased.

SOLUTION

The console filter DLL EYNPFEXE.DLL was changed to not upper case the command line input. The source code EYNPFEXE.C is included with this apar since this is written utilizing the console TP APIs, and serves as a sample program. EYNPFEXE.M32 was changed for use with Visual Age C++ for OS/2.

DEPENDENCIES

Related Segments Affected By This APAR.

Segments to be assembled or compiled:

Segments to be link edited:

Migration Considerations

=====  
Recommended Migration Scenario  
-----

Follow these guidelines to apply this support to your system.  
If EYNPFEXE.DLL is already installed and configured  
(included in \EOCF\BIN\TPDLLS.DAT) then  
1. Transfer any consoles windows off the workstation.

2. Rename \EOCF\DLL\EYNPFEXE.DLL \EOCF\DLL\EYNPFEXE.DL2
  3. Copy new EYNPFEXE.DLL to \EOCF\DLL
  4. Transfer console windows back to the workstation.
- For more details on the this DLL see IC12047.DOC.

#### BUILD/TEST INSTRUCTIONS

---

===BUILD Instructions===

EYNPFEXE.M32 is now a make file for use with Visual Age C++ for OS/2.

Stubs to be built:

===TEST Instructions===

No special test instructions.

#### MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

## IC21354 (Fixpack WR00973)

July 24,1998

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC21354

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNMDBUM.EXE

There are no pre-requisites for this APAR.

#### ABSTRACT OF PROBLEM

---

Database Utilities 'Display Workstations Attached' function for a local database may fail and cause Database Utilities to exit.

#### COMMENTS ON PROBLEM

---

On a DB2/2 version 2.1 workstation or later when Database Utilities 'Display Workstations Attached' function is run for a local database, the thread may exit and cause the Database Utilities window to just disappear.

#### SOLUTION

---

A trap was occurring on a DB2/2 call. A parameter which was not used in a previous version of DB2/2 is now required in DB2/2 V. 2.1 and beyond. EYNMDBUM has been changed on this call and it no longer traps. There will be a follow on APAR to address issues with displaying workstations attached for remote databases.

#### DEPENDENCIES

---

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:

Segments to be link edited:

Migration Considerations

=====

Recommended Migration Scenario

-----

1. Make sure that the Database Utilities Application is not running.
2. Rename \EOCF\BIN\EYNMDBUM.EXE \EOCF\BIN\EYNMDBUM.EX2
3. Copy the new EYNMDBUM.EXE to the \EOCF\BIN directory.

#### BUILD/TEST INSTRUCTIONS

---

===BUILD Instructions===

No special build instructions.

Stubs to be built:

===TEST Instructions===

No special test instructions.

#### MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

## IC21473 (Fixpack WR00973)

August 03,1998

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC21473

REFERENCE: AREA: EOCF/2  
SEGMENT:  
EYNMEMD.EXE  
EYNMEDMP.EXE

There are no pre-requisites for this APAR.

### ABSTRACT OF PROBLEM

Central Error Log Queries with a timestamp of 12-31-99 may result in unexpected data or may even be rejected with an incorrect error message.

### COMMENTS ON PROBLEM

In an EOCF/2 environment that is Y2K-compliant, Central Error Log Queries for a date of 12-31-99 give unpredictable results. Sometimes the query returns the data for the timeframe requested, while other times an error response of EYNMN0202E - time stamp range specified is not valid, does not form a valid time period, is received, when it is not true. At other times, the EYNMN0030E msg is returned, an error occurred processing the last request. These problems only occur for a date of 12/31/99.

### SOLUTION

The executable programs EYNMEMD.EXE and EYNMEDMP.EXE have been modified to correctly convert local timestamps of 12-31-99 to the correct GMT time value, thus allowing the timestamp range checking to work correctly and allowing the actual queries against the Central Error Log to return the correct entries for that date. Please note that CNTRLDMP calls EYNMEDMP.EXE, so even though CNTRLDMP does not need to be updated, the new version of EYNMEDMP.EXE needs to be copied to the EOCF/2 workstation for CNTRLDMP to return the correct results on 12-31-99.

### DEPENDENCIES

Related Segments Affected By This APAR.

Segments to be assembled or compiled:  
N/A

Segments to be link edited:

N/A

#### Migration Considerations

=====

From each workstation in your EOCF/2 environment:

- Close any applications which are performing queries against the Central Error Log (either Central Error Log Query or CNTRLDMP).
- Rename the file d:\EOCF\BIN\eynmEMD.exe to d:\EOCF\BIN\eynmEMD.ex2, where "d:" is the drive which contains your EOCF/2 executable code.
- Rename the file d:\EOCF\BIN\EYNMEDMP.exe to d:\EOCF\BIN\EYNMEDMP.ex2.
- Copy the new eynmEMD.exe to d:\EOCF\BIN\eynmEMD.exe.
- Copy the new EYNMEDMP.exe to d:\EOCF\BIN\EYNMEDMP.exe.
- Restart any Central Error Log Query applications which were previously active.

#### BUILD/TEST INSTRUCTIONS

=====

===BUILD Instructions===

No special build instructions.

Stubs to be built:

===TEST Instructions===

No special test instructions.

#### MODIFICATION SOURCE CODE

=====

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

## IC21536 (Fixpack WR00973)

July 24,1998

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC21536

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNPCNSL

There are no pre-requisites for this APAR.

#### ABSTRACT OF PROBLEM

---

Need ability to alter EOCF/2 console title bar information based on Automation Gateway workstation and port.

#### COMMENTS ON PROBLEM

---

Customers have requested the ability to add additional information into the EOCF/2 Console title bar.

#### SOLUTION

---

The solution is to support a new OS/2 environment variable (placed in CONFIG.SYS of a console workstation) which has user-defined title bar information each AG workstation and port. This user defined string will be used to replace the 'AG: workstation port' information in the default title bar.

The format of the new environment variable:

```
SET EYN_AG:agname_n=title bar string
```

where:

agname = AG workstation name  
n = AG port number (a 1-digit number)  
title bar string = A string to replace the current  
AG:agname port  
that is in the default title bar.

Note: depending on the type of console, there may only be room for a string of size 17 to 36 characters. Additional characters will be truncated. Also note the OS/2 Task List can hold even fewer characters than the console title bar.

examples:

```
SET EYN_AG:TPFAG_1=Sub 50
```

This will alter the title bar for the AG console session for AG TPFAG, port 1, to replace the current AG: TPFAG 1 string with the string 'Sub 50'

```
SET EYN_AG:AG5_3=AG: AG5 3 Sub 50
```

This will alter the title bar for the AG console session for AG AG5, port 3, to replace the current AG: AG5 3 string with the string 'AG: AG5 3 Sub 50'

## DEPENDENCIES

---

### Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:

N/A

Segments to be link edited:

N/A

### Migration Considerations

=====

As follows

To implement, CONFIG.SYS of the target console workstation must be updated with the environment variable:

- o EYN\_AG:agname\_n=title bar string

The workstation will then have to be shutdown and rebooted:

- o Using Session Management, transfer all console sessions, database logging sessions and SVP sessions from the target workstation to another workstation.
- o If the target workstation is also a CAA then the CAA must be shutdown.
- o If the target workstation is also an AG then the AG must be shutdown.
- o Stop the console program with the command:  
EYNNKILL EYNPCNSL
- o Backup the old console program with the command:  
REN \EOCF\BINEYNPCNSL.EXE EYNPCNSL.EX2
- o Copy the new EYNPCNSL.EXE to the \EOCF\BIN directory
- o Shutdown the workstation and reboot.
- o The environment variable should be active.  
(This can be verified by typing the SET command at an OS/2 command prompt.)
- o Restart the AG and CAA if applicable.
- o Transfer any console sessions, database logging sessions and SVP session back to this workstation.

## BUILD/TEST INSTRUCTIONS

---

===BUILD Instructions===

No special build instructions.

Stubs to be built:

===TEST Instructions===

No special test instructions.

MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

**IC21773 (Fixpack WR00973)**

August 24,1998

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC21773

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNNNTDB.EXE

There are no pre-requisites for this APAR.

ABSTRACT OF PROBLEM

---

A fix is needed for the EOCF/2 installation to run on DB2/2 UDB.

COMMENTS ON PROBLEM

---

A fix is needed for the EOCF/2 installation to run on DB2 Universal Database for OS/2. Without this fix the EOCF/2 install program will end with error EYNNN2111E 'The installation program could not prepare database <dbname> for use by EOCF/2' and the DB2/2 error SQL1482W will be logged in the EOCF/2 error log.

SOLUTION

---

This warning and others do not cause a problem with the EOCF/2 configuration. In this situation the warning message is logged to the EOCF/2 error log and processing continues. DB2/2 errors would still cause processing to stop.

DEPENDENCIES

---

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:

Segments to be link edited:

Migration Considerations

=====

While the EYNNN2111E message is on the screen in a message box, follow these directions on the workstation being installed...

1. Rename \EOCF\BIN\EYNNNTDB.EXE to EYNNNTDB.EX2
2. Copy new EYNNNTDB.EXE to EOCF\BIN

Now, click on the retry button located in the EOCF/2 Installation Program message box.

BUILD/TEST INSTRUCTIONS

====BUILD Instructions====

No special build instructions.

Stubs to be built:

====TEST Instructions====

No special test instructions.

MODIFICATION SOURCE CODE

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

## IC21931 (Fixpack WR00973)

September 24,1998

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC21931

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNGHOST.EXE

There are no pre-requisites for this APAR.

## ABSTRACT OF PROBLEM

---

The AG needs the ability to hide operator input from the command and message logs.

## COMMENTS ON PROBLEM

---

The EOCF/2 Automation Gateway (AG) needs the ability to hide portions of input text from appearing in the command and message logs.

## SOLUTION

---

If the new environment variable (EYNG\_HIDE\_CHAR=<c>) is set then it is used to toggle whether characters will be hidden from the command and message log as well as the AG echo. When hidden, \*'s will appear instead of the characters in the message and command log query and the AG echo line in the console window. Also before sending the command to the host, this character is deleted from the string each place it appears. This is useful for a console API program to send a password to the host and not put it into the log or have it appear on the screen. The environment variable is set in config.sys, for example: SET EYNG\_HIDE\_CHAR=% Make sure to use a character that is not used as input by your system.

## DEPENDENCIES

---

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:

Segments to be link edited:

Migration Considerations

=====

Recommended Migration Scenario

-----

Follow these guidelines to apply this support to your system.

On each AG workstation:

- Add the following line to config.sys  
SET EYNG\_HIDE\_CHAR=<c>  
where <c> is a character such as %
- Use ZACRS FBK to fallback any consoles off this AG.
- From the EOCF/2 Main Menu run  
'Automation Gateway Shutdown'
- RENAME \EOCF\BIN\EYNGHOST.EXE \EOCF\BIN\EYNGHOST.EX2
- Copy the new EYNGHOST.EXE to \EOCF\BIN
- Reboot the workstation.

BUILD/TEST INSTRUCTIONS

---

===BUILD Instructions===

No special build instructions.

Stubs to be built:

===TEST Instructions===

No special test instructions.

MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

**IC22105 (Fixpack WR00973)**

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC22105

REFERENCE: AREA: EOCF/2  
SEGMENT:  
EYNNCMU.EXE

There are no pre-requisites for this APAR.

ABSTRACT OF PROBLEM

---

EOCF/2 needs the capability to communicate over an Ethernet network.

COMMENTS ON PROBLEM

---

Currently, EOCF/2 has the hardware requirement that customers install all their EOCF/2 workstations on an IBM Token Ring network to allow the workstations to communicate with each other. Customers may use another popular network architecture, Ethernet. Since EOCF/2 uses Communications Server/2 as its communications interface, and since Communications Server/2 provides Ethernet support, EOCF/2 should be enhanced to allow the EOCF/2 workstations to communicate over Ethernet.

SOLUTION

---

EYNNCMU.EXE has been modified to use an Ethernet network in order to send the LU6.2 traffic between EOCF/2 workstations. In order to use this feature, a new environment variable, EYN\_ETHERNET, has been defined and should be set to a non-NULL value in CONFIG.SYS. Please see migrations consideration below for more details.

#### DEPENDENCIES

---

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:

Segments to be link edited:

Load Modules to be loaded:

#### Migration Considerations

---

##### Recommended Migration Scenario

---

Follow these guidelines to apply this support to your system:

If you have not yet installed EOCF/2 on your workstation:

- If you have Ethernet hardware installed in your EOCF/2 workstations, and you'd like to implement an Ethernet based EOCF/2 LAN, then add the following line to config.sys  
SET EYN\_ETHERNET=<C>  
where <C> is a non-blank value (such as YES).
- Install EOCF/2 on your workstation using the six EOCF/2 installation diskettes.

If EOCF/2 is already installed on your workstation:

- RENAME \EOCF\BIN\EYNNCMU.EXE \EOCF\BIN\EYNNCMU.EX2
- Copy the new EYNNCMU.EXE to \EOCF\BIN
- If you have Ethernet hardware installed in your EOCF/2 workstations, and you'd like to implement an Ethernet based EOCF/2 LAN, then add the following line to config.sys  
SET EYN\_ETHERNET=<C>  
where <C> is a non-blank value (such as YES).
- Use the appropriate procedures to take the workstation offline. Please see EOCF/2 Administrators Guide for more details about taking each of the workstation types offline.
- From the EOCF/2 Main Menu run  
'Installation and Configuration'
- Run an Installation Update on the workstation.
- Reboot the workstation.

BUILD/TEST INSTRUCTIONS

---

===BUILD Instructions===

No special build instructions.

Stubs to be built:

===TEST Instructions===

No special test instructions.

MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

**IC22649 (Fixpack WR00973)**

January 05,1999

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC22649

REFERENCE: AREA: EOCF/2  
SEGMENT:  
EYNPCMDL.DLL

ABSTRACT OF PROBLEM

---

Requirement to have option of <shift> <up arrow> for the console command retrieve. This APAR is the forward fit of CSD1 APAR IC14928 to CSD2.

COMMENTS ON PROBLEM

---

A problem can occur if an operator hits the <up arrow> accidentally and then the enter key, reentering a command. To avoid this, an option can be added to make <shift> <up arrow> and <shift> <down arrow> the retrieve keys for the console.

SOLUTION

---

An optional environment variable can now be set (SET EYNP\_SHIFT\_RETRIEVE=1)

in CONFIG.SYS to make the retrieve keys for the console be <SHIFT> <UP ARROW> and <SHIFT> <DOWN ARROW>. This APAR is the forward fit of CSD1 APAR IC14928 to CSD2.

## DEPENDENCIES

---

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:

Segments to be link edited:

Load Modules to be loaded:

## Migration Considerations

=====

### Recommended Migration Scenario

-----

1. Transfer all console sessions off the workstation.
2. EYNNKILL EYNPCNSL
3. REN \EOCF\DLL\EYNPCMDL.DLL \EOCF\DLL\\*.DL2
4. COPY new EYNPCMDL.DLL to \EOCF\DLL\EYNPCMDL.DLL
5. Add the following line to the end of CONFIG.SYS  
SET EYNP\_SHIFT\_RETRIEVE=1
6. Transfer any Database Logging Sessions off the workstation.
7. If this workstation is a CAA, do a CAA Server Shutdown.
8. Shutdown and reboot the workstation.

## BUILD/TEST INSTRUCTIONS

---

===BUILD Instructions===

No special build instructions.

Stubs to be built:

===TEST Instructions===

No special test instructions.

## MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

**IC22945 (Fixpack WR00973)**

February 24,1999

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC22945

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNN.EXE  
EYNSVIFY.EXE

There are no pre-requisites for this APAR.

ABSTRACT OF PROBLEM

Updates needed to the installation program for pre-requisite software.

COMMENTS ON PROBLEM

The EOCF/2 installation program prompts with the required software needed with an EOCF/2 installation as well as doing a check for that software. The warning message EYNNN2061W appears for incorrect versions of the software even when the recommended software was installed. Updates are needed to this area for new versions of that required software.

SOLUTION

The introduction screen was updated to show the generic versions of the software required. The checks for the installed software warning message EYNNN2061W was bypassed since so many different versions can now be used. The customers should look at the EOCF/2 web page <http://www.s390.ibm.com/tpf/eocf> for more information on the latest recommended software levels as well as installation hints for that software.

DEPENDENCIES

Related Segments Affected By This APAR.

Segments to be assembled or compiled:

Segments to be link edited:

Load Modules to be loaded:

Migration Considerations

=====

Recommended Migration Scenario

- Close the Installation and Configuration Application if it is running.
- REN \EOCF\BIN\EYNN.EXE to \EOCF\BIN\EYNN.EX2
- REN \EOCF\BIN\EYNNNSVIFY.EXE to \EOCF\BIN\EYNNNSVIFY.EX2
- COPY new EYNN.EXE to \EOCF\BIN
- COPY new EYNNNSVIFY.EXE to \EOCF\BIN

BUILD/TEST INSTRUCTIONS

===BUILD Instructions===

No special build instructions.

Stubs to be built:

===TEST Instructions===

No special test instructions.

MODIFICATION SOURCE CODE

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

**IC23194 (Fixpack WR00973)**

February 15,1999

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC23194

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNDTLIB.DLL  
EYNPCNSL.EXE  
EYNDTLPS.EXE  
EYNDALPS.EXE  
EYNDUDPS.EXE

Pre-requisite APARs are:  
IC07372  
IC18053

## ABSTRACT OF PROBLEM

Large number of public system fonts can cause console and queries to trap and hang.

## COMMENTS ON PROBLEM

When Personal Communications is loaded in certain environments it can cause a large number of public system fonts to be available to other applications. The EOCF/2 Console, Message Log Query, Command Log Query, and User Defined Log Query will trap if the total font metrics from these fonts use more than 64K. This problem can actually cause a system hang when the trap is dispatched to the exception handler.

## SOLUTION

The console and query code has been modified to get the appropriate font metrics on the system call. When it is necessary to retrieve all the font metrics, as in the font dialog box, the fonts are limited to fit within the 64K buffer.

## DEPENDENCIES

Related Segments Affected By This APAR.

Segments to be assembled or compiled:

Segments to be link edited:

Load Modules to be loaded:

### Migration Considerations

=====

- Transfer all console sessions to another workstation
- EYNNKILL EYNPCNSL
- REN \EOCF\BIN\EYNPCNSL.EXE \EOCF\BIN\EYNPCNSL.EX2
- COPY the new EYNPCNSL.EXE to \EOCF\BIN
- change directory to the root of the boot drive
- start EYNPCNSL
- close message log query, command log query, and user defined log query.
- REN \EOCF\BIN\EYNDTLPS.EXE \EOCF\BIN\EYNDTLPS.EX2
- REN \EOCF\BIN\EYNDALPS.EXE \EOCF\BIN\EYNDALPS.EX2
- REN \EOCF\BIN\EYNDUDPS.EXE \EOCF\BIN\EYNDUDPS.EX2
- REN \EOCF\DLL\EYNDTLIB.DLL \EOCF\DLL\EYNDTLIB.DL2
- COPY the new EYNDTLPS.EXE to \EOCF\BIN
- COPY the new EYNDALPS.EXE to \EOCF\BIN
- COPY the new EYNDUDPS.EXE to \EOCF\BIN
- COPY the new EYNDTLIB.DLL to \EOCF\DLL
- Transfer console sessions back to the workstation.

BUILD/TEST INSTRUCTIONS

---

===BUILD Instructions===

No special build instructions.

Stubs to be built:

===TEST Instructions===

No special test instructions.

MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

**IC22764 (Fixpack WR00974)**

March 31,1999

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC22764

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNSDISK.EXE

There are no pre-requisites for this APAR.

ABSTRACT OF PROBLEM

---

The Save Query to File Application fails to start from the EOCF/2 Main Menu.

COMMENTS ON PROBLEM

---

When the Save Query to File Application is started from the EOCF/2 Main Menu it may not appear. This problem is more likely to occur on OS/2 WARP 4. Nothing happens when the application is selected, the dialog box does not appear. Other applications may have the same problem when started from the main menu. A work-around to this problem is to utilize Application Manage-

ment to create a new applications which just starts EYNDUPLS.EXE without using EYNSDISK.EXE. EYNSDISK is used to define the drive letter that the application will be started from when selected from the Main Menu.

## SOLUTION

---

EYNSDISK.EXE has been modified to correct the problem. The parameter list used for the program is now properly initialized. Depending on the environment, this problem could appear for other applications in the EOCF/2 Main Menu as well.

## DEPENDENCIES

---

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:

Segments to be link edited:

Load Modules to be loaded:

Migration Considerations

=====

Recommended Migration Scenario

-----

- Rename \EOCF\BIN\EYNSDISK.EXE to \EOCF\BIN\EYNSDISK.EX2
- Copy the new EYNSDISK.EXE to the \EOCF\BIN directory.
- Start the application from the main menu (Save Query to File)

## BUILD/TEST INSTRUCTIONS

---

===BUILD Instructions===

No special build instructions.

Stubs to be built:

===TEST Instructions===

No special test instructions.

## MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

## IC23322 (Fixpack WR00974)

April 08,1999

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC23322

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNNCMU.EXE  
EYNNMSG.DLL

There are no pre-requisites for this APAR.

### ABSTRACT OF PROBLEM

EOCF does not support multiple network IDs environment.

### COMMENTS ON PROBLEM

The Installation and Configuration option in the EOCF/2 main menu did not support an environment with multiple network IDs. EOCF/2 allowed customers to have multiple network IDs in their EOCF network through manual update of the EYNCMLIB.NDF file or from the CMSETUP command. However, when the installation and configuration option was issued and an update performed on a workstation, EOCF would modify the NDF file to have the same network ID.

### SOLUTION

To support a multiple network environment, a new file, EYNNCMU.DAT, is required in the EOCFBIN directory. When an update is issued, EOCF will check for the existence of this DAT file. If this file is not found, the program will assume a single network ID configuration. Otherwise, EOCF will scan EYNNCMU.DAT for the default and non-default network IDs and their corresponding LU names. This information will be used later to update each LU name with a correct network ID.

EYNNCMU.DAT has the following format:

- line 1 must contain the default network ID
- additional entries will be treated as fully qualified LU
- each fully qualified LU entry must contain a non-default network ID and local node name. They are separated by a '.'  
(syntax: <netID>.<LU>)
- there is at most one fully qualified LU per line
- total number of fully qualified LU entries can not exceed 25
- the maximum number of characters for network ID is 8 and LU

- is also 8
- comments can be entered after the default network id or fully qualified LU name separated by a space
- space characters are not allowed before the default network ID or fully qualified LU name
- there can only be a maximum of 256 characters per line
- empty lines are allowed after the first line (default network ID)
- all entries in this file will be interpreted as upper case

An example of valid EYNNCMU.DAT:

---

```

MYNET          -Default Network ID

KEVNET.S001    /* S001 logical unit on KEVNET network*/

JOHNNET.P0003  Test machine P0003 on JOHNNET network
keynet.s002    * Our Database PC on KEVNET network

```

#### DEPENDENCIES

---

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:

None

Segments to be link edited:

None

Load Modules to be loaded:

None

#### Migration Considerations

=====

- Close the Installation and Configuration application if it is running
- REN \EOCF\BIN\EYNNCMU.EXE to \EOCF\BIN\EYNNCMU.EX2
- REN \EOCF\DLL\EYNNMSG.DLL to \EOCF\DLL\EYNNMSG.DL2
- COPY \CMLIB\EYNCMLIB.NDF \CMLIB\EYNCMLIB.ND2
- COPY new EYNNCMU.EXE to \EOCF\BIN
- COPY new EYNNMSG.DLL to \EOCF\DLL
- COPY the EYNNCMU.DAT file you created to \EOCF\BIN

#### BUILD/TEST INSTRUCTIONS

---

===BUILD Instructions===

No special build instructions.

Stubs to be built:

===TEST Instructions===

No special test instructions.

MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

## IC23377 (Fixpack WR00974)

March 03,1999

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC23377

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNMEMD.EXE  
EYNMEDMP.EXE

Pre-requisite APARs are: IC15974

ABSTRACT OF PROBLEM

---

Central error log query fails for 01-01-2000 when time zone is before GMT

COMMENTS ON PROBLEM

---

The central error log uses GMT time to log errors since workstations may be in multiple time zones. On workstations where the TZ (Time Zone) OS/2 environment variable is set before GMT time, such as Japanese Standard Time (JST-9), a central error log query will fail for start or end times at the beginning of the day 01-01-2000.

SOLUTION

---

The central error log and central error log dump programs have been modified to correct the GMT time value when the local date is 01-01-00. This allows the queries to work properly, returning the correct error entries from the CAA databases.

## DEPENDENCIES

---

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:

Segments to be link edited:

Load Modules to be loaded:

### Migration Considerations

=====  
Recommended Migration Scenario

-----  
From each workstation in your EOCF/2 environment:

- Close any applications which are performing queries against the Central Error Log (either Central Error Log Query or CNTRLDMP).
- Rename the file d:\EOCF\BIN\eynmEMD.exe to d:\EOCF\BIN\eynmEMD.ex2, where "d:" is the drive which contains your EOCF/2 executable code.
- Rename the file d:\EOCF\BIN\EYNMEDMP.exe to d:\EOCF\BIN\EYNMEDMP.ex2
- Copy the new eynmEMD.exe to d:\EOCF\BIN\eynmEMD.exe.
- Copy the new EYNMEDMP.exe to d:\EOCF\BIN\EYNMEDMP.exe.
- Restart any Central Error Log Query applications which were previously active.

## BUILD/TEST INSTRUCTIONS

---

===BUILD Instructions===

No special build instructions.

Stubs to be built:

===TEST Instructions===

No special test instructions.

## MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

## IC23505 (Fixpack WR00974)

March 24,1999

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC23505

REFERENCE: AREA: EOCF/2  
SEGMENT:  
EYNMARCM.EXE

### ABSTRACT OF PROBLEM

Log Archival application window date display is corrupted after January 2, 2000. Also, in this application, manual archival of the Central Error Log does not complete after Y2K.

### COMMENTS ON PROBLEM

Log Archival application window date display is corrupted after January 2, 2000. This is actually a problem displaying dates after Y2K, but since the application defaults to subtracting one day from the current date for archiving logs, you will not see this problem unless the date on the PC is at least January 2nd, 2000. Also, in this application, manual archival of the Central Error Log does not work after Y2K. This is because the date is converted from local time to GMT for archiving entries in the Central Error Log, and the date conversion routine fails for any local date after Y2K. This would result in an error with a pop-up window displaying the error: "EYNDB5009W A SYSTEM ERROR OCCURED ACCESSING THE <caa> DATABASE."

### SOLUTION

EYNMARCM.EXE has been fixed to properly display archival dates for any Y2K expiration date. It has also been fixed to build the correct date search string for archiving entries in the Central Error Log.

### DEPENDENCIES

Related Segments Affected By This APAR.

Segments to be assembled or compiled:  
N/A

Segments to be link edited:  
N/A

Load Modules to be loaded:  
N/A

#### Migration Considerations

=====

The following is the recommended installation process:

- Be sure the Log Archival Application is currently not active on the workstation you are updating on.
- Copy d:\EOCF\BIN\EYNMARC.M.EXE to d:\EOCF\BIN\EYNMARC.M.EX2 where d: is the drive in which EOCF/2 is installed on.
- Copy in the new EYNMARC.M.EXE to d:\EOCF\BIN\EYNMARC.M.EXE where d: is the drive in which EOCF/2 is installed on.
- The Log Archival Application can be restarted on the workstation, if desired.

#### MODIFICATION SOURCE CODE

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

## IC24210 (Fixpack WR00975)

July 08,1999

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC24210

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNCERM.DLL  
EYNCERP2.DLL

#### ABSTRACT OF PROBLEM

A system trap occurred when UPLOAD.EXE logs an error using EYNC\_LogEHLLAPIErr function.

#### COMMENTS ON PROBLEM

The EYNC\_LogEHLLAPIErr function attempts to deallocate an area of memory that is never being allocated. This deallocation of a null string causes a System Trap no.FFFF.

## SOLUTION

---

The memory deallocation code has been removed from the EYNC\_LogEHLLAPIErr function in EYNCERM.DLL and EYNCERP2.DLL.

## DEPENDENCIES

---

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:

None

Segments to be link edited:

None

Load Modules to be loaded:

None

## Migration Considerations

---

As follows:

The target workstation needs to be completely shutdown in order to load the files for this APAR:

- o Transfer all active console sessions, data base logging sessions, and Service Processor sessions to another wks.
- o If the target wks is a CAA then shutdown the CAA
- o If the target wks is an AG then shutdown the AG
- o Get to a command prompt by booting from OS/2 install diskettes, or hitting ALT-F1 during the boot when the text 'OS/2' is in the upper left hand corner of the screen.
- o Once at the command prompt, rename the following two files:
  - RENAME \EOCF\DLL\EYNCERM.DLL \*.BAK
  - RENAME \EOCF\DLL\EYNCERP2.DLL \*.BAK
- COPY the new EYNCERM.DLL to \EOCF\DLL directory.
- COPY the new EYNCERP2.DLL to \EOCF\DLL directory.
- o Reboot the workstation.

## BUILD/TEST INSTRUCTIONS

---

===BUILD Instructions===

No special build instructions.

Stubs to be built:

===TEST Instructions===

No special test instructions.

MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

**IC24669 (Fixpack WR00975)**

September 02,1999

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC24669

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNMDBM.EXE

There are no pre-requisites for this APAR.

ABSTRACT OF PROBLEM

---

Central Error Log Query may not display the correct time for log entries if the EOCF/2 workstation is in a time zone which does not follow Daylight Savings Time (DST).

COMMENTS ON PROBLEM

---

When a Central Error Log Query is performed from the EOCF/2 main menu, EYNMDBM.EXE is executed. EYNMDBM.EXE searches for entries in the central error log which match the search criterium, and displays entries which are found. Since the entries are saved in the central error log with a timestamp in GMT format, part of what EYNMDBM.EXE needs to do is convert the timestamp from GMT to local time. The routine which does that always adjusts for daylight savings time(DST), regardless of whether or not the local timezone is a timezone which follows DST. As a result, if a display is done in a timezone which does not follow DST (as set in OS/2 by the TZ environment variable, and the date is within the range of DST, then the local time displayed in the central error log display will be off by one hour of when the error actually occurred.

SOLUTION

---

The routine in EYNMDBM.EXE which checks to see if the timestamp for a central error log entry is in the range of DST now first checks to see if the workstation's timezone is set to a DST timezone or not. If the timezone is not a DST timezone, then the routine immediately returns with a value of no DST rather than continuing to check the date range of the timestamp.

#### DEPENDENCIES

---

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:

Segments to be link edited:

Load Modules to be loaded:

Migration Considerations

=====

The following is the recommended installation process:

- Be sure the EOCF/2 Central Error Log Query or other Administration Management applications (e.g., Host Management) are currently not active on the workstation you are updating on.
- Copy d:\EOCF\BIN\EYNMDBM.EXE to d:\EOCF\BIN\EYNMDBM.EX2 where d: is the drive in which EOCF/2 is installed on.
- Copy in the new EYNMDBM.EXE to d:\EOCF\BIN\EYNMDBM.EXE where d: is the drive in which EOCF/2 is installed on.
- The applications closed for this update can be restarted on the workstation, if desired.

---

## IC24674 (Fixpack WR00975)

March 30,2000

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC24674

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNCPCA.DLL  
EYNCMSG.DLL  
EYNGMSG.DLL

There are no pre-requisites for this APAR.

## ABSTRACT OF PROBLEM

Changes to the EOCF/2 base code to support the 3215 Gateway Server

## COMMENTS ON PROBLEM

The EOCF/2 code needs updates to support the 3215 Server. The 3215 Server code is shipped as a separate feature and is not used with the EOCF/2 product. However this new feature shares code with the EOCF/2 product. This will allow future updates in the common areas to apply to both applications.

## SOLUTION

Code has been added to the EOCF/2 Automation Gateway layer to support the 3215 Server.

## DEPENDENCIES

Related Segments Affected By This APAR.

Segments to be assembled or compiled:

Segments to be link edited:

Load Modules to be loaded:

### Migration Considerations

=====  
Recommended Migration Scenario

- 1) Manually fallback TPF sessions (via ZACRS FBK PRC) that use the Automation Gateway or 3215 Server on the target workstation.  
In effect, fallback from prime CRAS to the alternate prime CRAS.
- 2) Shutdown the 3215 Server (3215STOP) or if this is an EOCF/2 workstation then follow steps a-d
  - a) If the EOCF/2 Shell is installed, then enter the command  
EYNSUNDO C from an OS/2 window or full screen.  
where C is the boot drive
  - b) Rename STARTUP.CMD to STARTUP.BAK
  - c) Shutdown the workstation and reboot
  - d) Rename x:\EOCF\DLL\EYNCVERB.DLL to EYNCVERB.DL2
- 3) In x:\EOCF\DLL or x:\3215SRV\DLL,  
save the old copies of the DLLs with the command:  
RENAME EYNCPCA.DLL EYNCPCA.DL2  
RENAME EYNCMSG.DLL EYNCMSG.DL2  
RENAME EYNGMSG.DLL EYNGMSG.DL2
- 4) In x:\EOCF\DLL or x:\3215SRV\DLL,  
copy the in the new DLL files:  
EYNCPCA.DLL  
EYNCMSG.DLL  
EYNGMSG.DLL
- 5) Start the 3215 Server or if this is an EOCF/2 workstation then

- follow steps a-c:
- a) Rename STARTUP.BAK to STARTUP.CMD
  - b) If you want to reinstall the EOCF/2 Shell, then enter the command EYNSINST from an OS/2 window or full screen
  - c) Reboot the workstation
- 6) Manually fallback TPF sessions (via ZACRS FBK PRC) that use the Automation Gateway or 3215 Server on the target workstation.  
In effect, fallback from the alternate prime CRAS to the prime CRAS.
- 7) Proceed to the next Automation Gateway or 3215 Server.

#### BUILD/TEST INSTRUCTIONS

---

===BUILD Instructions===

No special build instructions.

Stubs to be built:

===TEST Instructions===

No special test instructions.

#### MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

## IC25287 (Fixpack WR00975)

November 12,1999

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC25287

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNPMSG.DLL  
EYNPCNSL.EXE

There are no pre-requisites for this APAR.

## ABSTRACT OF PROBLEM

---

EOCF/2 console truncates script files that are greater than 64k.

## COMMENTS ON PROBLEM

---

EOCF/2 uses "unsigned short" to represent the size of a script file. This results in misinterpretation of a script file that is over 64K.

## SOLUTION

---

Check for the size of script file before a file is open. Pop up an error message when a script file is greater than 64K.

## DEPENDENCIES

---

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:

Segments to be link edited:

Load Modules to be loaded:

## Migration Considerations

=====

- Use Session Management to transfer all console sessions on the workstation to another workstation or shutdown the Automation Gateway
- Shutdown any console automation programs (including RAVEN) running on the workstation
- Enter "EYNNKILL EYNPCNSL" on a command prompt to terminate EYNPCNSL.EXE
- REN \EOCF\BIN\EYNPCNSL.EXE to \EOCF\BIN\EYNPCNSL.EX2
- REN \EOCF\DLL\EYNPMSG.DLL to \EOCF\DLL\EYNPMSG.DL2
- COPY new EYNPCNSL.EXE to \EOCF\BIN
- COPY new EYNPMSG.DLL to \EOCF\DLL
- Use Session Management to transfer the console sessions back to the workstation or restart the Automation Gateway which was stopped.  
(note: the EYNPCNSL program will be restarted automatically.)
- Restart any console automation programs.

## BUILD/TEST INSTRUCTIONS

---

===BUILD Instructions=== No special build instructions.

Stubs to be built:

===TEST Instructions=== No special test instructions.

MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

**IC25517 (Fixpack WR00975)**

SUBJECT: APAR NUMBER: IC25517

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNPTMON.DLL

There are no pre-requisites for this APAR.

ABSTRACT OF PROBLEM

---

Out of memory on console API sending to operator.

COMMENTS ON PROBLEM

---

When many EYNPR\_SEND() or EYNPT\_SEND() API calls are made to send messages to the console screen, such as RAVEN's AUTO HELP command, it might cause out of memory conditions. An OS/2 base system API (DosSubAlloc) error occurred. The return code: 311-ERROR\_DOSSUB\_NONE could not sub-allocate shared segment. After that, EYNXX2003E error occurred, there is not enough memory to complete the process.

SOLUTION

---

Increase the buffer size in the EYNP\_InitBuffer() API call. The buffer is set to 0x4800L.

DEPENDENCIES

---

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:

Segments to be link edited:

Load Modules to be loaded:

Migration Considerations

=====

- Use Session Management to transfer all console sessions on the workstation to another workstation or shutdown the Automation Gateway
- Shutdown any console automation programs (including RAVEN) running on the workstation
- REN \EOCF\DLL\EYNPTMON.DLL to \EOCF\DLL\EYNPTMON.DL2
- COPY new EYNPTMON.DLL to \EOCF\DLL
- Use Session Management to transfer the console sessions back to the workstation or restart the Automation Gateway which was stopped.  
(note: the EYNPCNSL program will be restarted automatically.)
- Restart any console automation programs.

BUILD/TEST INSTRUCTIONS

\_\_\_\_\_

===BUILD Instructions===

No special build instructions.

Stubs to be built:

===TEST Instructions===

No special test instructions.

MODIFICATION SOURCE CODE

\_\_\_\_\_

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

**IC25552 (Fixpack WR00975)**

December 03,1999

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC25552

REFERENCE: AREA: EOCF/2  
SEGMENT: SNOW960.ABS

## ABSTRACT OF PROBLEM

---

Multiple IPLs without input to 9663-001 can cause fallback or IPL dump on TPF.

## COMMENTS ON PROBLEM

---

If multiple IPLs are done using a 9663-001 ESCON card for the prime cras console and no input is made on the console, later IPLs may fail causing a fallback or even an IPL dump in TPF.

## SOLUTION

---

A fix was put into the microcode for the 9663-001 card to correct this problem.

## DEPENDENCIES

---

### Migration Considerations

=====

#### Recommended Migration Scenario

-----

- 1) Rename \EOCF\BIN\SNOW960.ABS SNOW960.AB1
- 2) Copy new SNOW960.ABS to \EOCF\BIN
- 3) ZACRS fallback any TPF Consoles using this AG to their alternates
- 4) Shutdown the AG
- 5) Transfer any console or dbs sessions off the workstation
- 6) If the CAA is on this workstation, shutdown the CAA.
- 7) Shutdown and reboot the workstation

## BUILD/TEST INSTRUCTIONS

---

===BUILD Instructions===

No special build instructions.

Stubs to be built:

===TEST Instructions===

No special test instructions.

## MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

**IC26240 (Fixpack WR00975)**

February 25,2000

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC26240

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNPCNSL

There are no pre-requisites for this APAR.

ABSTRACT OF PROBLEM

Run Command file should put focus on "End" rather than "Run" after the command script has completed running.

COMMENTS ON PROBLEM

Run Command file should put focus on "End" rather than "Run" after the command script has completed running. Currently, when a command script has completed running, the focus is placed back to "Run," which can cause the operator to inadvertently run a command script again. Upon completion, focus should, instead, be placed on "End."

SOLUTION

Run Command file now puts focus on "End" rather than "Run" after the command script has completed running.

DEPENDENCIES

Related Segments Affected By This APAR.

Segments to be assembled or compiled:  
None

Segments to be link edited:  
None

Load Modules to be loaded:  
None

Migration Considerations

=====

As follows:

- o Transfer all console sessions off the workstation.
- o From an OS/2 window enter EYNNKILL EYNPCNSL
- o REN \EOCF\BIN\EYNPCNSL.EXE \EOCF\BIN\EYNPCNSL.EX3
- o Copy new EYNPCNSL.EXE to \EOCF\BIN\EYNPCNSL.EXE
- o Transfer the console sessions back to this workstation.

#### BUILD/TEST INSTRUCTIONS

---

===BUILD Instructions===

No special build instructions.

Stubs to be built:

===TEST Instructions===

No special test instructions.

#### MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

## IC27201 (Fixpack WR00976)

June 26,2000

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC27201

REFERENCE: AREA: EOCF/2  
SEGMENT: eynamdcs.exe

There are no pre-requisites for this APAR.

#### ABSTRACT OF PROBLEM

---

CAAs shut down when database history tables are incorrect.

#### COMMENTS ON PROBLEM

---

When EOCF/2 processing attempts to update the ending time stamp of a host

logging session in the host logging information table in the CAA, and the processing determines that the entry is incorrect or non-existent in the table, then an error is logged into the Central Error Log and the CAA is shutdown. The processing should be changed to only log the error into the Central Error Log and the CAA should be kept active.

#### SOLUTION

---

Eynamdcs.exe no longer initiates a CAA shutdown when it determines an inconsistency in the Host Logging Information Table while attempting to update the ending time stamp of a host logging session entry.

#### DEPENDENCIES

---

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:

N/A

Segments to be link edited:

N/A

Load Modules to be loaded:

N/A

Migration Considerations

=====

Recommended Migration Scenario

-----

From each CAA workstation in your EOCF/2 environment:

- From the EOCF/2 main menu of the CAA workstation, select CAA Server Shutdown application, and wait for the CAA Server to complete its shutdown process.
- Rename the file d:\EOCF\BIN\eynamdcs.exe to d:\EOCF\BIN\eynamdcs.ex2, where "d:" is the drive which contains your EOCF/2 executable code.
- Copy the new eynamdcs.exe to d:\EOCF\BIN\eynamdcs.exe.
- From the EOCF/2 main menu of the CAA workstation, select CAA Server Restart (Warm), and wait for the CAA Server to complete its start-up processing.
- In a dual-CAA environment, perform the above steps for the second CAA workstation, after you have completed them for the first CAA workstation.

#### BUILD/TEST INSTRUCTIONS

---

===BUILD Instructions===

No special build instructions.

Stubs to be built:

===TEST Instructions===

No special test instructions.

MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFIELD 400 disk.

---

## IC27820 (Fixpack WR00976)

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC27820

REFERENCE: AREA: EOCF/2  
SEGMENT: eynamdcs.exe

There are no pre-requisites for this APAR.

ABSTRACT OF PROBLEM

---

CAAs shut down when database history table information is missing.

COMMENTS ON PROBLEM

---

When EOCF/2 processing attempts to change the hostname information of a host logging session in the host logging information table in the CAA, and the processing determines that the entry is non-existent in the table, then an error is logged into the Central Error Log and the CAA is shutdown. The processing should be changed to log the error into the Central Error Log, add a new entry in the host logging information table with the new host logging information, and the CAA should be kept active.

SOLUTION

---

Eynamdcs.exe no longer initiates a CAA shutdown when it determines that the host logging information entry is non-existent in the Host Logging Information Table while attempting to change the hostname of the host logging session entry. When it determines the entry is non-existent, it now adds a new entry to the table with the correct host logging information.

## DEPENDENCIES

---

### Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:

N/A

Segments to be link edited:

N/A

Load Modules to be loaded:

N/A

### Migration Considerations

=====

#### Recommended Migration Scenario

-----

From each CAA workstation in your EOCF/2 environment:

- From the EOCF/2 main menu of the CAA workstation, select CAA Server Shutdown application, and wait for the CAA Server to complete its shutdown process.
- Rename the file d:\EOCF\BIN\eynamdcs.exe to d:\EOCF\BIN\eynamdcs.ex2, where "d:" is the drive which contains your EOCF/2 executable code.
- Copy the new eynamdcs.exe to d:\EOCF\BIN\eynamdcs.exe.
- From the EOCF/2 main menu of the CAA workstation, select CAA Server Restart (Warm), and wait for the CAA Server to complete its start-up processing.
- In a dual-CAA environment, perform the above steps for the second CAA workstation, after you have completed them for the first CAA workstation.

## BUILD/TEST INSTRUCTIONS

---

===BUILD Instructions===

No special build instructions.

Stubs to be built:

===TEST Instructions===

Using a TPF simulator session, shutdown the CAA and shutdown the automation gateway. In the ZDSID.DAT file, change the host name to an un-recognized name. Cold start the CAA and then start the automation gateway. Type a few commands to cause an UNKNOWN.UNKNWNxx logging session to start up. From a command line, connect to the CAA database, and delete the logging information entry out of DBTAB2. Re-edit ZDSID.DAT and change the hostname back to a system recognized hostname. On the emulator window, issue a reload" command. Then, type a ZDSID command.

MODIFICATION SOURCE CODE

---

Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

**IC28429 (Fixpack WR00976)**

March 05,2001

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC28429

REFERENCE: AREA: EOCF/2  
SEGMENT: EYNGFCAA.EXE  
EYNGFPWS.EXE  
EYNGHOST.EXE  
EYNGTPWS.EXE  
EYNGDMP.EXE  
EYNPCNSL.EXE  
EYNPFMNR.EXE  
EYNPTMNE.EXE  
EYNGSQUE.DLL  
EYNGUQUE.DLL  
EYNPCMDL.DLL  
EYNPFDBM.DLL  
EYNPFEXE.DLL  
EYNPFLTR.DLL  
EYNPFMEM.DLL  
EYNPFMON.DLL  
EYNPREXX.DLL  
EYNPTMON.DLL  
EYNPQUE.DLL  
EYNPTAPI.H  
ALARM.EXE  
ALARMMPM.EXE  
CPRINT.EXE  
DLLSAMPL.EXE  
MONSAMP4.EXE  
UPLOAD.EXE  
NVFRMTPF.EXE  
NVRUNCMD.EXE  
NVTOTPF.EXE  
NVSTART.DLL

Pre-requisite APARs are:  
All APARS included in fixpak WR00975. Check Syslevel before applying

#### ABSTRACT OF PROBLEM

---

Requirement to provide the EOCF/2 command line of greater than 100 characters.

#### COMMENTS ON PROBLEM

---

EOCF/2 currently provides a command line of 100 characters on the console window. This means that operator entries are limited to 100 characters. This SPE will increase the maximum size of the command line to 250 characters.

#### SOLUTION

---

The console command line was changed to allow up to 250 characters of input. To support this, appropriate changes were also made to the automation gateway. In order for the TPF system to support 250 characters on input operation commands, the CXCSIZ equate in the LINEQ macro must be changed to 250. Note: the value for CXCSIZ can not exceed 256.

#### DEPENDENCIES

---

Related Segments Affected By This APAR.

---

Segments to be assembled or compiled:  
TPF's LINEQ MACRO updated CXCSIZ value (to 250)  
and CCCCPC1 reassembled

Segments to be link edited:  
CPS0

Load Modules to be loaded:

#### Migration Considerations

=====  
Recommended Migration Scenario  
-----

1. All Console TP DLLs and Console Monitor API programs must be recompiled with the new header file "EYNPTAPI.H" and the new object code installed on the workstation.  
This includes any IBM provided sample programs, which have been recompiled in this package.

2. Ensure that you have a backup of the following files...  
\EOCF\BIN\EYNP\*.EXE  
\EOCF\BIN\EYNG\*.EXE  
\EOCF\DLL\EYNP\*.DLL

| \EOCF\DLL\EYNG\*.DLL

- | 3. The Console workstations must be updated first.
- | - Shutdown any console monitor or console rexx (including RAVEN) automation programs.
  - | - Transfer any console windows off the workstation using session management.
  - | - From an OS/2 command prompt issue 'EYNNKILL EYNPCNSL'
  - | - Copy all code to the console workstation  
| "COPY EYNP\*.EXE \EOCF\BIN\EYNP\*.EXE"  
| "COPY EYNP\*.DLL \EOCF\DLL\EYNP\*.DLL"
  - | - Copy all newly compiled Console TP DLLs and Console Monitor API programs to the appropriate directories
  - | - Transfer console windows back to the workstation. The main console program will automatically start (EYNPCNSL.EXE).
- | 4. Update the Automation Gateway workstations.
- | - Fallback any TPF Prime CRAS using this AG with the ZACRS FBK command.
  - | - Shutdown the Automation Gateway
  - | - Copy all the code to the automation gateway workstation  
| "COPY EYNG\*.EXE \EOCF\BIN\EYNG\*.EXE"  
| "COPY EYNG\*.DLL \EOCF\DLL\EYNG\*.DLL"
  - | - Startup the Automation Gateway

| BUILD/TEST INSTRUCTIONS

---

| ===BUILD Instructions===

| No special build instructions.

| Stubs to be built:

| ===TEST Instructions===

| No special test instructions.

| MODIFICATION SOURCE CODE

---

| Source code is not available. Replacement modules are available from EOCF support. SE's can get the code from the TPFFIELD 400 disk.

---

**IC29663 (Fixpack WR00976)**

February 23,2001

MEMORANDUM TO: CURRENT USERS OF EOCF/2 (5695-067),  
VERSION 1: RELEASE 1. MOD LEVEL 0.

SUBJECT: APAR NUMBER: IC29663

REFERENCE: AREA: EOCF/2  
SEGMENT: SNOWMCM.EXE

There are no pre-requisites for this APAR.

ABSTRACT OF PROBLEM

Update the Serial Engine Code provided with EOCF/2 with the latest Serial Engine Code, SNOWMCM.EXE.

COMMENTS ON PROBLEM

Update the Serial Engine Code provided with EOCF/2 with the latest Serial Engine Code, SNOWMCM.EXE. This corrects a TPF console fallback situation in which an automatic fallback occurs to the alternate PRC address and leaves the original Automation Gateway inoperative until the AG is rebooted. This situation had been seen with EOCF/2 attached to a TPF host running on an Amdahl processor.

SOLUTION

The latest updates for the Serial Engine Code, SNOWMCM.EXE, for the 9663-001 host connection card are now included with the EOCF/2 product.

DEPENDENCIES

Related Segments Affected By This APAR.

Segments to be assembled or compiled:

N/A

Segments to be link edited:

N/A

Load Modules to be loaded:

N/A

Migration Considerations

=====

|  
| - In order to install the Serial Engine Code on an EOCF/2 AG, you  
| must first do an AG Shutdown on the AG workstation. This may  
| involve doing a manual fallback of the TPF PRC to the alternate  
| PRC. Next, rename the existing SNOWMCM.EXE and copy in the new  
| version of SNOWMCM.EXE into the d:\EOCF\BIN directory. Finally,  
| reboot the AG workstation, and do an AG startup.

| BUILD/TEST INSTRUCTIONS  
|  
| \_\_\_\_\_

| ===BUILD Instructions===

| No special build instructions.

| Stubs to be built:

| ===TEST Instructions===

| No special test instructions.

| MODIFICATION SOURCE CODE  
|  
| \_\_\_\_\_

| Source code is not available. Replacement modules are available from EOCF  
| support. SE's can get the code from the TPFFIELD 400 disk.

---

## Appendix B. EOCFTOOL.DOC

=====

### EOCFTOOL User's Guide

=====

NOTE: This package may be obtained from your EOCF/2 support contact.

\*\*\*\*\*  
DISCLAIMER OF WARRANTIES:

All the utility programs provided in the EOCFTOOL directory have been created by IBM Corporation and are provided solely for the purpose of assisting you in the performance of maintenance tasks. The programs are provided "AS IS" without warranty of any kind. IBM shall not be liable for any damages arising out of your use of these programs, even if they have been advised of the possibility of such damages.

\*\*\*\*\*

=====

### Overview

=====

The EOCFTOOL directory contains a number of simple command line utilities that perform useful tasks such as file transfer between workstations, remote start and stop of the CAA and AG, remote boot and more. These tools are built from a combination of command files and IBM internal tools which may be distributed to customers. As they are not officially part of the EOCF/2 product they do not display standard messages nor do they provide a graphical user interface. Some of the IBM internal tools have been written by other IBM labs and may display their own messages.

=====

### Installation

=====

Simply copy all the files in the EOCFTOOL directory to the \EOCFBIN directory on each workstation that will use them. Note that in the case of any remote operations the files must be copied to both the local workstation where the command will be issued and the remote workstation where the command will be executed.

=====

### Unattended Workstation Operation

=====

Many of these utilities remotely invoke existing EOCF/2 applications that would normally display message boxes requiring user input when run locally. An OS/2 environment variable is used in order to prevent these message boxes from being displayed when the applications are run remotely. When this variable is set, the

application will not display any message boxes and in any case where it would ask for user confirmation, (e.g. "Are you sure you want to shut down the AG?", etc.), it assumes implicit confirmation and continues with the requested operation. Any message box that would have been displayed is logged in the EOCF/2 Central Error Log. This allows you to check whether the operation succeeded or not in cases where there is no other visible evidence (e.g. console windows closing, CAA broadcasting shutdown messages etc.).

In addition to using the environment variable for the remote utilities, it might also be used to enable a workstation to run completely unattended. By setting the variable in the workstation's CONFIG.SYS file, you can tell all EOCF/2 applications that no message boxes should be displayed and that all message boxes requiring user confirmation should assume implicit confirmation. This might be very helpful in the case where a console window has fallen back to a remote workstation that is normally unattended. When the console is later transferred back manually to a local workstation there would be no need to acknowledge the message box that normally is displayed on the remote workstation in order to close the console window.

To enable this feature add the following command to your CONFIG.SYS file:

```
SET EYNC_UNATTENDED=YES
```

```
=====
                          Specifying LU Aliases
=====
```

Many of the remote utilities require that you specify the LU alias of the remote workstation. It is important to remember that LU aliases are case sensitive. If you do not correctly specify an LU alias then you might receive the following message from one of the IBM internal tools:

```
Unexpected CPI-C return code encountered...
  CPI-C verb name: CMALLC, Allocate
  CPI-C return code: 19, CM_PARAMETER_ERROR
  return code class: UNRECOVERABLE
```

The tool is using the ES 1.0 Common Programming Interface for Communications (CPI-C) API and will always show the API operation and return codes.

```
=====
                          SENDFILE - Sending a File
=====
```

This utility allows you to send a file from your workstation to another workstation.

Usage: SENDFILE <file name> <target EOCF/2 workstation name>

The target workstation must have the same directory as the source workstation.

Example: If the following command were issued on the workstation PWS1

```
SENDFILE c:\mydir\myfile.dat AG1
```

this would copy the file c:\mydir\myfile.dat from PWS1 to the directory c:\mydir on AG1.

```
=====
GETFILE - Retrieving a File
=====
```

This utility allows you to copy a file from another workstation to your workstation.

Usage: GETFILE <file name> <target LU alias> <local EOCF/2 workstation name>

As with SENDFILE, both workstations must have the same directory.

Example: If the following command were issued on the workstation PWS1

```
GETFILE c:\mydir\myfile.dat AG1 PWS1
```

this would copy the file c:\mydir\myfile.dat from the workstation whose LU alias is AG1 to the directory c:\mydir on PWS1.

```
=====
STARTCAA - Remote Start of CAA
=====
```

This utility allows you to start the CAA on another workstation.

Usage: STARTCAA <remote\_LU\_alias> /cold“

This will start the CAA on the remote workstation. If you specify /cold then a cold start will be done otherwise a warm start will be done.

```
=====
STOPCAA - Remote Shutdown of CAA
=====
```

This utility allows you to shut down the CAA on another workstation.

Usage: STOPCAA <remote\_LU\_alias> /f“

This will shut down the CAA on the remote workstation. If you specify /f then a forced shutdown will be done otherwise a normal shutdown will be done.

STARTAG - Remote Start of AG

=====  
This utility allows you to start the AG on another workstation.

Usage: STARTAG <remote\_LU\_alias>

This will start the AG on the remote workstation.

=====  
STOPAG - Remote Shutdown of AG  
=====

This utility allows you to shut down the AG on another workstation.

Usage: STOPAG <remote\_LU\_alias>

This will shut down the AG on the remote workstation.

=====  
STARTDBS - Remote Restart Data Base Logging  
=====

This utility allows you to restart data base logging on another workstation.

Usage: STARTDBS <remote\_LU\_alias>

This will restart data base logging on the remote workstation.

=====  
BOOTWKS - Remote Boot  
=====

This utility allows you to boot another workstation.

Usage: BOOTWKS <remote\_LU\_alias>

This will boot the remote workstation.

=====  
APPCTELL - Remote Message Display  
=====

This utility allows you to display a full screen message on another workstation. The user at the remote workstation must press Enter in order to clear it from the screen.

Usage: APPCTELL <remote\_LU\_alias> <message\_text>

Example:

If this command was entered at a workstation whose LU alias is PWS1:

APPCTELL AG1 Please call us at extension 2051 ASAP

then the following message would display at the workstation whose LU alias is AG1:

```
+-----+
|Message from: PWS1 on 10/2/92 at 13:51:39 |
|                                           |
|Please call us at extension 2051 ASAP    |
|                                           |
|Press ENTER to continue                  |
+-----+
```

```
=====
AREXEC - Remote Command Execution
=====
```

This utility allows you to run any full screen program on another workstation and view its output.

Usage: AREXEC <remote\_LU\_alias> <command\_string>

Example: AREXEC AG1 dir c:\

This would display the directory listing of c:\ on the workstation whose LU alias is AG1.

```
=====
RUN.CMD - Starting Programs from the Console Window
=====
```

This utility allows you to issue any OS/2 command from the EOCF/2 console window command line. If the command being issued produces only full screen output, (i.e. it is not a Presentation Manager program), then you can optionally view the output in the console window.

The utility is a Console REXX API program and is called RUN.CMD. It must be started from an OS/2 command prompt.

You will need to define a console filter rule as follows: (any fields not specified here can be left as default)

1st page:

- Host Systems: select the name of your host system or <DEFAULT>
- Console Types: select desired console type or <DEFAULT>
- User IDs: select desired user ID or <DEFAULT>
- Message ID or command: RUN
- Message source: Operator

2nd page:

- Options: X in Suppress and Echo
- Destination: RUN

Usage: (from the console command line)

1)

run <command string>

This will invoke the OS/2 command interpreter (CMD.EXE) and pass it the command string. All output will appear in RUN.CMD's window. All commands are displayed before they are executed.

2)

run /o <command string>

This will invoke the OS/2 command interpreter (CMD.EXE) and pass it the command string. All output will appear in the EOCF/2 console window. All commands are displayed before they are executed.

3)

run /x

This will terminate RUN.CMD.

```
=====
VIEWRLOG - Viewing Another Workstation's Local Error Log
=====
```

This utility works similarly to the local error log browser EYNCERVL except that it allows you to browse the local error log of a remote workstation.

Usage: VIEWRLOG <local\_wks> <target\_lu> generation" level"  
where local\_wks is the local workstation name,  
target\_lu is the target workstation's LU alias,  
generation is 1, 2 or 3,  
and level is System or User.

It will transfer a copy of the remote workstation's error log to the local workstation as C:\XXXXXXXX.DAT where XXXXXXXX is the remote workstation's LU alias and then invoke the OS/2 system editor to browse it. When you exit from the system editor the program will ask you whether you want to erase the .DAT file.

```
=====
EYNCCAA.EXE - Executable to check CAA Status
=====
```

DESCRIPTION:

-----

Executable to determine CAA status

EYNCCAA <CAA Alias Name>

<CAA Alias Name> - CAA workstation name (optional)

RETURN CODES:

-----

if the CAA workstation name is specified...

RC=-2 - bad parameter / not a CAA Alias

RC=-1 - internal error

RC=0 - CAA not active

RC=1 - CAA active as primary

RC=2 - CAA active as alternate

if the CAA workstation name is not specified...

RC=-2 - bad parameter / not a CAA Alias

RC=-1 - internal error

RC=0 - No CAAs active

RC=1 - 1 CAA active

RC=2 - 2 CAAs active

Notes: This can be called from Rexx, see CHECKCAA.CMD for an example

This is a 32-bit program and will not run on OS/2 1.3, EOCF/2 CSD 1.

=====

EYNPCHKQ.EXE - Executable to check EOCF/2 Console queue status

=====

WHAT THIS PROGRAM DOES:

This program will check if a queue is open for EOCF/2 use.

Syntax:

-----

EYNPCHKQ <Queue>

<Queue> - The name of the Queue to check.

This queue should be created by EYNPR\_Open or EYNPT\_Open.

Returns:

-----

0 - Success

87 - Invalid Parameters

Other - Error return code returned from DosOpenQueue function

Notes: See CHKQUEUE.CMD for example call from Rexx.

C source code included with this function.

=====

REFRESH.CMD - Example on how to call EYNPUTIL.EXE for  
console refresh

=====

File: REFRESH.CMD

This program demonstrates how to invoke EYINPUTIL.EXE for refreshing consoles and interpret the return codes in REXX.

Note: EYINPUTIL.EXE should be copied into the \EOCFBIN directory on each workstation that will utilize this function.  
See CONSUTIL.CMD for more information about EYINPUTIL.EXE including the /F (focus) option.

Syntax:

-----  
REFRESH <complex> <cpuid> (<TA>

<complex> - the name of the host complex  
<cpuid> - the host cpuid  
<TA> - optional - the Terminal address of the console window to refresh  
if this parameter is not used, all Consoles on the workstation with  
the complex and cpuid given will be refreshed.

Returns:

-----  
0 - Success  
5 - Presentation Manager Error  
10 - Bad Command Line Parameters  
20 - Console not found

=====  
CONSUTIL.CMD - Example on how to call EYINPUTIL.EXE for sending  
function requests to a console.  
=====

File: CONSUTIL.CMD

This program demonstrates how to invoke EYINPUTIL.EXE and interpret its return codes in REXX.

Note: EYINPUTIL.EXE should be copied into the \EOCFBIN directory on each workstation that will utilize this function.

Syntax:

-----  
EYINPUTIL <complex> <cpuid> <TA> /R /F /H /I=<iconcolor> /MIN /MAX /RESTORE

<complex> - optional - the name of the host complex  
<cpuid> - optional - the host cpuid  
<TA> - optional - the Terminal address of the console window to refresh  
if this parameter is not used, all Consoles on the workstation with  
the complex and cpuid given will be refreshed.  
/R - Refresh all the consoles which have the complex and cpuid specified.  
If the complex and cpuid are not specified then all EOCF/2 Consoles on  
the workstation will be refreshed.  
/F - give focus to the console. If no TA is specified, the last EOCF/2 console

with that host name which had focus will receive focus.

If no host complex is specified, the last EOCF/2 console which had focus will get focus.

/H - Returns a bad parameters return code (10) so help can be displayed by the calling program.

/I=<iconcolor> - changes the icon color

where <iconcolor> may be WHITE, GREEN, YELLOW, or RED

This option is only valid if the environment variable EYNP\_ICON is

/MIN - minimizes the console window.

This option is only valid if the environment variable EYNP\_ICON is

/MAX - maximizes the console window.

/RESTORE - restores the console window.

/ARRANGE - arranges consoles on desktop.

/DELALLHELD - deletes all messages from the held message area

Returns:

-----

0 - Success

5 - Presentation Manager Error

10 - Bad Command Line Parameters

20 - Console not found

=====  
WIMSHOW2.EXE - Workstation information display  
=====

Used to display the following information on an OS/2 window or Fullscreen.

EOCF/2 alias: <alias>

LocalLU0Alias: <lu alias>

LocalLU0Ring: <ring # (0,1)>

ActCAALU0Alias: <primary CAA lu alias>

AltCAALU0Alias: <alternate CAA lu alias>

ActCAALU0Ring: <ring # (0,1)>

AltCAALU0Ring: <ring # (0,1)>

CAAServerTPName: EYNAMTP

ActCAADBAlias: <primary CAA DB/WKS name>

AltCAADBAlias: <alternate CAA DB/WKS name>

Notes: Can be used with pipes in a REXX program

=====  
EYNPCOMM.CMD - Communicate with an EOCF/2 Console  
=====

This is the beta version of EYNPCOMM.CMD

It Requires 3 Console filter rules...

1) Route all Host system messages to Destination EYNPCOMM

- select All lines option

2) Route the operator command EYNPCOMM to Destination EYNPCOMM

- select Suppress and Echo options

3) Route all AG Echos to Destination EYNPCOMM

It also Requires EYNPUTIL.EXE, which is used to refresh the console.  
EOCF/2 APAR IC08779 which is included in EOCF/2 build level WR00961 or later  
for EOCF/2 CSD 2 is also required.

To Run...

From an OS/2 Window, Fullscreen or Telnet session enter the following for help:  
EYNPCOMM ?

Help:

EYNPCOMM <complex> <cpuid> <TA>

The parameters are used to refresh the console, to get a message out.

<complex> - optional - the name of the host complex

<cpuid> - optional - the host cpuid

<TA> - optional - the Terminal address of the console window to refresh  
if this parameter is not used, all Consoles on the workstation with  
the complex and cpuid given will be refreshed.

To Stop EYNPCOMM enter the following from the EYNPCOMM console:

EYNPCOMM STOP



---

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Extended Operations Console Facility/2  
CSD 2 Fixpack  
Publication No. GH31-0127-01

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---

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Extended Operations Console Facility/2

CSD 2 Fixpack

Publication No. GH31-0127-01

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Cut or Fold  
Along Line

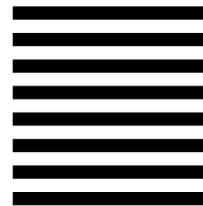
Fold and Tape

Please do not staple

Fold and Tape



NO POSTAGE  
NECESSARY  
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