

**IRIS  
CUSTOMER  
SUPPORT  
BULLETIN**

**October 1, 1983**



POINT 4 Data Corporation

|     |       |       |
|-----|-------|-------|
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TECHNICAL  
MEMORANDUM

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|------------|------|
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TO: IRIS Subscription Service Customers

FROM: IRIS Customer Support

DATE: October 1, 1983

SUBJ: CUSTOMER SUPPORT BULLETIN

I. IRIS SYSTEM UPDATES

A. CUSTOMER SUPPORT NEWS

B. SOFTWARE CHANGE ORDERS - R8.2

1. CONFIG82-00  
Problem: Identify SCOs released in the Customer Support Bulletin of October 1, 1983.
2. COPY82-02  
Problem: Memory is corrupted by COPY resulting in traps, halts, and/or loss of data.
3. DSUB282-02  
Problem: Editing Error.
4. EDIT82-01  
Problem: EDIT sets NRCD incorrectly in the destination file leading to errors such as "RECORD NOT WRITTEN" when the file is read by other programs.
5. LINKP82-03  
Enhancement: Search a default LU during a chain if program not found on assigned LU.
6. M3DUTL32SA-04 (MARK 3 ONLY)  
Problem: Occasionally on VERIFY, streamer tape oscillates due to attention interrupts from uninitialized mux ports.
7. M3DUTL32SA-05 (MARK 3 ONLY)  
Problem: CONVERT LOTUS reporting hard errors erroneously.
8. MMUXM582-02 (MARK 5 & 8 ONLY)  
Problem: Mux sometimes corrupts system.

9. REXM382-08 (MARK 3 ONLY)  
Problem: ESCAPE doesn't work properly.
10. SCOPE82-01  
Enhancement: Search a default LU if program not found on assigned LU.
11. SVSCM382-05 (MARK 3 ONLY)

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CUSTOMER SUPPORT NEWS  
October 3, 1983

This is a reminder that R8.2 (enhanced) SAVED BASIC programs will not run under R8.1. R8.1 SAVE files will run under R8.2. As long as no new BASIC features are used, the source is compatible between the two versions.

A note of **caution** - if a program traps (eg. TRAP 34) while doing Index file writes, especially mode 7 access, you must back down the file! The file will be corrupted. Do not COPY the file or CLEANUP the logical unit containing the file. We are working on a fix to prevent those utilities from corrupting a logical unit when dealing with a corrupted file.

Attached is a copy of Point 4's software support policy. The policy is for the most part not new but rather a clear statement of established procedures. If there are any questions or comments please address them to your salesman or Larry Stahl.



## SOFTWARE SUPPORT POLICIES

### Prerequisites for Providing Support

- Customer must be in good credit standing
- Must be covered by software subscription or correspondence service contracts.

### Terms and Conditions

- I. Subscription Service - Available to OEM customers under contract. Covers all supported software products; includes monthly support bulletins and 8 hour/day phone support for technical information related to the Software or to report a problem. Makes new revisions and new releases available for a modest production charge.
- II. Only designated company representatives whose names shall be on file at POINT 4 may initiate telephone support. The number of representatives shall be limited to a maximum of four per subscriber.
- III. The hours that telephone support is available are:  

0800-1200                      and                      1230-1630

(hours are in Pacific Standard or Daylight time on any regular business day)
- IV. The reported problem must be reproducible on a standard supported POINT 4 configuration. For IRIS this means a system with all software as shipped or with POINT 4 distributed SCO's applied (this does not pertain to configuration data). The controller/disc drive combination must be one defined in the current Peripherals handbook.  

Applications Software must have check codes that match the check codes that we have on file for shipped or patched software.
- V. Customers must practice good data processing procedures including sufficient back-ups to protect against data loss in event of a catastrophe. In the event that POINT 4 software or support service is responsible for loss of data, POINT 4 responsibility will be confined to resolving the problem that caused the loss.
- VI. When a customer calls for phone support, that customer must have immediate access to current manuals pertaining to the product in question.

- VII. All bugs or problems reported by a subscriber will be evaluated by POINT 4's technical staff and resolved in an order based on both general requirements for all subscribers and the specific needs of the subscriber reporting the bug. The resolution of a bug may be a fix to the code in the current or new revision of the software or a suggested method to accomplish the same task in a different way.
- VIII. Unprotection of protected programs or other violations of Point 4 software security mechanism will be grounds for cancellation of the subscription agreement and recall of the product.
- IX. Correspondence Service - Available to OEM customers or subdealers certified by an OEM to be an Associate Dealer, this alternative to the comprehensive Subscription Service entitles the subscriber to receive SCOs and other technical information in the form of monthly Customer Support Bulletins. Direct support is charged at prevailing hourly rates with a minimum fee. Revisions and new releases of software are licensed at their regular prices.
- X. Time and Materials - Direct programmer support is available to subscribers. An hourly fee as designated on the price list will be charged for support services not covered under subscription service (this includes all phone support for correspondence service). Time will be charged in 15 minute increments with a minimum of 15 minutes charged. Any telephone charges, materials, travel expenses, etc., will be billed in addition to the hourly rate.



**R8.2 SCOs**

**October 1, 1983**



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**T E C H N I C A L  
M E M O R A N D U M**

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TO: IRIS System Managers  
FROM: IRIS Customer Support  
DATE: July 1, 1982  
SUBJ: INSTALLING SCOs

It is imperative that every SCO contained in this Customer Support Bulletin be installed on your system unless the SCO is marked as optional, or if special instructions specify a configuration that is different from your system. Future SCOs will assume that all previous SCOs have been installed.

The procedure for installing Software Change Orders is as follows:

1. Back up your system and data.
2. Ensure that you are the only one on the system.
3. Enter DSP and do not exit until all the updates have been entered.
  - a. Compare the contents of each location with the old contents listed on the patch.

**NOTE**

If the old contents do not agree, do not apply the patch! Call IRIS Customer Support.

- b. If old contents agree, enter the patch.
  - c. Exit DSP.
4. SHUTDOWN and do an IPL to affect the changes in your system.



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```

+--- P4DC production manager only ---+
| Status _____
| Production System
| Update by_____ Date__/_/___
|
| SCO # _____ Date__/_/___
| Master File
| Update by_____ Date__/_/___
| Master File
| Name _____
+-----+

```

Patch #: CONFIG82-00

Product: CONFIG

Detail: CONFIG

Asm Date: 3120 Release #: 8.2

Update Date: 01-Oct-83 By: RDC

Problem: TO IDENTIFY SCOs RELEASED IN THE CUSTOMER SUPPORT BULLETIN OF  
OCT 1, 1983.

Special Instructions: If the old contents do NOT agree DO NOT enter ANY  
patches in this bulletin. CALL POINT 4 CUSTOMER SUPPORT.

| Location<br>(Octal) | New Contents<br>(Octal a/o Symbolic) | Comments<br>(Describe Solution) | Old<br>Contents |
|---------------------|--------------------------------------|---------------------------------|-----------------|
| 000600              | 101310                               | ;                               | 072100          |

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```

+--- P4DC production manager only ---+
|
| Status _____ |
| Production System _____ |
| Update by _____ Date__/__/__ |
|
| SCO # _____ Date__/__/__ |
| Master File _____ |
| Update by _____ Date__/__/__ |
| Master File _____ |
| Name _____ |
+-----+

```

Patch #: COPY82-02

Product: COPY

Detail: COPY

Asm Date: 3162 Release #: R8.2

Update Date: 12-Sep-83 By: TWMA

Problem: Memory is corrupted by COPY resulting in traps, halts, and/or loss of data.

Special Instructions:

```

+-----+-----+-----+-----+
| Location | New Contents | Comments | Old |
| (Octal) | (Octal a/o Symbolic) | (Describe Solution) | Contents |
+-----+-----+-----+-----+
| 035644 | JMP @.+1 | ;Enter patch | 031376 |
+-----+-----+-----+-----+
| 035645 | 41020 | ; (patch address) | 034005 |
+-----+-----+-----+-----+
;;;
+-----+-----+-----+-----+
| 041020 | LDA 2,4 | ;Load addr of PIB | 077377 |
+-----+-----+-----+-----+
| 041021 | LDA 2,3,2 | ;Load AFP. (act. file hdr) | 077377 |
+-----+-----+-----+-----+
| 041022 | LDA 3,5 | ;Load RUP | 077377 |
+-----+-----+-----+-----+
| 041023 | JMP @.+1 | ;And return from patch | 077377 |
+-----+-----+-----+-----+
| 041024 | 35646 | ; (return address) | 077377 |
+-----+-----+-----+-----+

```

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```

+--- P4DC production manager only ---+
| Status _____
| Production System
| Update by _____ Date__/__/__
| SCO # _____ Date__/__/__
| Master File
| Update by _____ Date__/__/__
| Master File
| Name _____
    
```

Patch #: DSUB282-02  
 Product: DSUB2  
 Detail: DISCSUBS  
 Asm Date: 3162 Release #: 8.2  
 Update Date: 14-Sep-83 By: RDCA

Problem: EDITING ERROR.

Special Instructions:

| Location<br>(Octal) | New Contents<br>(Octal a/o Symbolic) | Comments<br>(Describe Solution) | Old<br>Contents |
|---------------------|--------------------------------------|---------------------------------|-----------------|
| 023630              | 31000                                | ;                               | 076370          |

*patch applied to mainline*  
*check to original*  
*11/16*

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```

+--- P4DC production manager only ---+
| Status _____ |
| Production System |
| Update by _____ Date__/__/__ |
| SCO # _____ Date__/__/__ |
| Master File |
| Update by _____ Date__/__/__ |
| Master File |
| Name _____ |
+-----+

```

Patch #: EDIT82-01

Product: EDIT

Detail: EDIT

Asm Date: 3120 Release #: R8.2

Update Date: 09-Sep-83 By: TWMA

Problem: EDIT sets NRCD incorrectly in the destination file leading to errors such as "RECORD NOT WRITTEN" when the file is read by other programs.

## Special Instructions:

| Location<br>(Octal) | New Contents<br>(Octal a/o Symbolic) | Comments<br>(Describe Solution) | Old<br>Contents |
|---------------------|--------------------------------------|---------------------------------|-----------------|
| 000500              | 0                                    | ;Return address save cell       | 077377          |
| 000501              | STA 3,.-1                            | ;Save return address            | 077377          |
| 000502              | SUBZL 0,0                            | ;Get address of output          | 077377          |
| 000503              | 6101                                 | ; channel: CALL CHKCHANNEL      | 077377          |
| 000504              | 100002                               | ;                               | 077377          |
| 000505              | JMP @.-5                             | ; Output not open, Return       | 077377          |
| 000506              | LDA 0,0,2                            | ;Read file header               | 077377          |
| 000507              | LDA 1,1,2                            | ; Load LU and Hdr RDA           | 077377          |
| 000510              | LDA 2,11                             | ; Load address of HBA           | 077377          |
| 000511              | 6135                                 | ; READBLOCK                     | 077377          |
| 000512              | LDA 3,11,2                           | ;Set NRCD equal to NBLK-1       | 077377          |
| 000513              | NEG 3,3                              | ; Load and decrement NBLK       | 077377          |
| 000514              | COM 3,3                              | ;                               | 077377          |
| 000515              | STA 3,16,2                           | ; Set new value of NRCD         | 077377          |
| 000516              | 6143                                 | ;Update hdr (WRITBLOCK)         | 077377          |



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Patch #: EDIT82-01

Product: EDIT      Asm Date: 3120      Release #: R8.2

| Location<br>(Octal) | New Contents<br>(Octal a/o Symbolic) | Comments<br>(Describe Solution) | Old<br>Contents |
|---------------------|--------------------------------------|---------------------------------|-----------------|
| 000517              | SUBZL 0,0                            | ;Close output file              | 077377          |
| 000520              | 6106                                 | ; (CHANNEL CLOSE)               | 077377          |
| 000521              | 26                                   | ;                               | 077377          |
| 000522              | 6142                                 | ; Error on close, TRAP          | 077377          |
| 000523              | JMP @500                             | ;All done, Return               | 077377          |
| ;;;                 |                                      |                                 |                 |
| 034413              | JSR @.+2                             | ;Enter patch to close dest      | 102520          |
| 034414              | JMP .+3                              | ;Skip over patch address        | 006106          |
| 034415              | 501                                  | ; (address of patch)            | 000026          |

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```

+--- P4DC production manager only ---+
|
| Status _____
| Production System
| Update by _____ Date__/_/___
|
| SCO # _____ Date__/_/___
| Master File
| Update by _____ Date__/_/___
| Master File
| Name _____
+-----+

```

Patch #: LINKP82-03

Product: LINKP

Detail: DISCSUBS

Asm Date: 3120 Release #: 8.2

Update Date: 25-Aug-83 By: RLB

Problem: SEARCH DEFAULT-LU DURING A CHAIN IF PROGRAM NOT FOUND ON ASSIGNED-LU.

Special Instructions: PUT DEFAULT LU# IN WORD 620 OF CONFIG FILE.

<Companion is patch SCOPE82-01> This patch is to DISCSUBS.

| Location<br>(Octal) | New Contents<br>(Octal a/o Symbolic) | Comments<br>(Describe Solution) | Old<br>Contents |
|---------------------|--------------------------------------|---------------------------------|-----------------|
| 012404              | 177105                               | ;                               | 177127          |
| ;;                  |                                      |                                 |                 |
| 012432              | 6136                                 | ;                               | 006101          |
| 012433              | 616                                  | ;                               | 000003          |
| ;;                  |                                      |                                 |                 |
| 013251              | 54420                                | ;                               | 77377           |
| 013252              | 44420                                | ;                               | 77377           |
| 013253              | 6101                                 | ;                               | 77377           |
| 013254              | 3                                    | ;                               | 77377           |
| 013255              | 403                                  | ;                               | 77377           |
| 013256              | 10413                                | ;                               | 77377           |
| 013257              | 2412                                 | ;                               | 77377           |
| 013260              | 31400                                | ;                               | 77377           |
| 013261              | 21420                                | ;                               | 77377           |
| 013262              | 101435                               | ;                               | 77377           |

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Patch #: LINKP82-03

Product: LINKP      Asm Date: 3120      Release #: 8.2

| Location<br>(Octal) | New Contents<br>(Octal a/o Symbolic) | Comments<br>(Describe Solution) | Old<br>Contents |
|---------------------|--------------------------------------|---------------------------------|-----------------|
| 013263              | 2406                                 | ;                               | 77377           |
| 013264              | 24406                                | ;                               | 77377           |
| 013265              | 6101                                 | ;                               | 77377           |
| 013266              | 3                                    | ;                               | 77377           |
| 013267              | 2402                                 | ;                               | 77377           |
| 013270              | 766                                  | ;                               | 77377           |
| 013271              | 0                                    | ;                               | 77377           |
| 013272              | 0                                    | ;                               | 77377           |

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```

+--- P4DC production manager only ---+
|
| Status _____
| Production System
| Update by_____ Date___/___/___
|
| SCO # _____ Date___/___/___
| Master File
| Update by_____ Date___/___/___
| Master File
| Name _____
+-----+

```

Patch #: M3DUTL32SA-04

Product: M3DUTL

Detail: DISCUTILITY

Asm Date: 3152 Release #: V 3.2

Update Date: 14-Sep-83 By: RMSB

Problem: On VERIFY occasionally streamer tape will oscillate due to attention interrupts from uninitialize mux ports.

Special Instructions: For Mark 3 Discutality V 3.2 ONLY !!

This patch totally replaces patch #M3DUTL32SA-03

| Location<br>(Octal) | New Contents<br>(Octal a/o Symbolic) | Comments<br>(Describe Solution) | Old<br>Contents |
|---------------------|--------------------------------------|---------------------------------|-----------------|
| 000335              | 27353                                | ;;vector to patch               | 77377           |
| ;;                  |                                      |                                 |                 |
| 027353              | IORST                                | ;;(62677)                       | 77377           |
| 027354              | LDA 1,27367                          | ;;(24413) start with port #0    | 77377           |
| 027355              | STA 1, .+3                           | ;;(44403)                       | 77377           |
| 027356              | LDA 3,27370                          | ;;(34412) 6 ports               | 77377           |
| 027357              | LDA 0,41                             | ;;(20041) master reset(see      | 77377           |
| 027360              | DOA 0,12                             | ;;(61012) Mark 3 manual)        | 77377           |
| 027361              | ISZ .-1                              | ;;(10777) update DOA nxt prt    | 77377           |
| 027362              | ISZ .-2                              | ;;(10776) status is even dev    | 77377           |
| 027363              | INC 3,3,SZR                          | ;;(175404) done yet ?           | 77377           |
| 027364              | JMP .-4                              | ;;(774) no                      | 77377           |
| 027365              | 2401                                 | ;;                              | 77377           |
| 027366              | 747                                  | ;;                              | 77377           |
| 027367              | DOA 0,12                             | ;;(61012) strt with 2nd port    | 77377           |

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Patch #: M3DUTL32SA-04

Product: M3DUTL Asm Date: 3152 Release #: V 3.2

| Location<br>(Octal) | New Contents<br>(Octal a/o Symbolic) | Comments<br>(Describe Solution) | Old<br>Contents |
|---------------------|--------------------------------------|---------------------------------|-----------------|
| 027370              | 177772                               | !;6 ports 1-7                   | 77377           |
| ;;                  |                                      |                                 |                 |
| 000746              | JMP @335                             | !;(2335) branch to patch        | 062677          |

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```

+--- P4DC production manager only ---+
|
| Status _____ |
| Production System |
| Update by_____  Date__/_/___ |
|
| SCO # _____  Date__/_/___ |
| Master File       |
| Update by_____  Date__/_/___ |
| Master File       |
| Name _____   |
+-----+

```

Patch #: M3DUTL32SA-05

Product: M3DUTL

Detail: DISCUTILITY

Asm Date: 3152 Release #: V 3.2

Update Date: 22-Sep-83 By: JASC

Problem: CONVERT LOTUS reporting hard errors erroneously.

Special Instructions: FOR MARK 3 SYSTEMS ONLY. DO NOT APPLY THIS PATCH IF  
THE OLD CONTENTS DO NOT AGREE !

| Location<br>(Octal) | New Contents<br>(Octal a/o Symbolic) | Comments<br>(Describe Solution) | Old<br>Contents |
|---------------------|--------------------------------------|---------------------------------|-----------------|
| 005575              | JMP 5603                             | ;                               | 001401          |
| ;;                  |                                      |                                 |                 |
| 005725              | JSR @247                             | ;                               | 006246          |

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```

+--- P4DC production manager only ---+
|
| Status _____
| Production System
| Update by_____ Date__/_/___
|
| SCO # _____ Date__/_/___
| Master File
| Update by_____ Date__/_/___
| Master File
| Name _____
+-----+

```

```

Patch #: MMUXM582-02
Product: MMUXM5
Detail: $MMUX
Asm Date: 3162 Release #: 8.2
Update Date: 14-Sep-83 By: RDCA

```

Problem: MUX SOMETIMES WILL CORRUPT SYSTEM.

Special Instructions: FOR MARK 5 & 8 ONLY

| Location<br>(Octal) | New Contents<br>(Octal a/o Symbolic) | Comments<br>(Describe Solution) | Old<br>Contents |
|---------------------|--------------------------------------|---------------------------------|-----------------|
| 032257              | JMP 32314                            | ;GOTO PATCH                     | 077277          |
| ;;                  |                                      |                                 |                 |
| 032314              | 77277                                | ;SPECIAL MUX HALT               | 077377          |
| 032315              | JMP .-1                              | ;HALT IF CONT. IS PRESSED       | 77377           |

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```

+--- P4DC production manager only ---+
| Status _____ |
| Production System |
| Update by _____ Date__/_/___ |
| SCO # _____ Date__/_/___ |
| Master File |
| Update by _____ Date__/_/___ |
| Master File |
| Name _____ |
+-----+
Patch #: REXM382-08
Product: REXM3
Detail: REX
Asm Date: 3167 Release #: R8.2
Update Date: 16-Sep-83 By: RMSC

```

Problem: ESCAPE DOESN'T WORK PROPERLY

Special Instructions: This patch totally replaces REXM382-07.

Only addresses 1104 and 10742 thru 10745 have changed.

| Location<br>(Octal) | New Contents<br>(Octal a/o Symbolic) | Comments<br>(Describe Solution) | Old<br>Contents |
|---------------------|--------------------------------------|---------------------------------|-----------------|
| 000153              | 10723                                | ;                               | 77377           |
| ;;                  |                                      |                                 |                 |
| 000706              | 10747                                | ;                               | N/A             |
| ;;                  |                                      |                                 |                 |
| 001065              | STA 0,73                             | ;                               | 042517          |
| ;;                  |                                      |                                 |                 |
| 001077              | LDA 0,73                             | ;;save escape status            | 175113          |
| 001100              | STA 0,@1204                          | ;;in PCES                       | 001400          |
| 001101              | SSN 3,3                              | ;;replace displaced code        | 020073          |
| 001102              | JMP 0,3                              | ;                               | 042502          |
| 001103              | 2401                                 | ;;branch to patch               | 177240          |
| 001104              | 10742                                | ;                               | 003400          |
| ;;                  |                                      |                                 |                 |
| 005700              | 6153                                 | ;                               | 006102          |
| ;;                  |                                      |                                 |                 |



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Patch #: REXM382-08

Product: REXM3      Asm Date: 3167      Release #: R8.2

| Location<br>(Octal) | New Contents<br>(Octal a/o Symbolic) | Comments<br>(Describe Solution) | Old<br>Contents |
|---------------------|--------------------------------------|---------------------------------|-----------------|
| 010723              | LDA 2,@.+2                           | ;                               | N/A             |
| 010724              | 2102                                 | ;                               | N/A             |
| 010725              | 5345                                 | ;                               | N/A             |
| ;;                  |                                      |                                 |                 |
| 010742              | SUB 0,0                              | ;clear escape flag since        | N/A             |
| 010743              | STA 0,73                             | ;we're making proper entry      | N/A             |
| 010744              | ADDOR 3,3                            | ;replace patched code           | N/A             |
| 010745              | 3400                                 | ;                               | N/A             |

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```

+--- P4DC production manager only ---+
|
| Status _____
| Production System
| Update by _____ Date__/_/___
|
| SCO # _____ Date__/_/___
| Master File
| Update by _____ Date__/_/___
| Master File
| Name _____
+-----+

```

Patch #: SCOPE82-01

Product: SCOPE

Detail: SCOPE

Asm Date: 3162 Release #: 8.2

Update Date: 25-Aug-83 By: RLB

Problem: SEARCH DEFAULT-LU IF PROGRAM NOT FOUND ON ASSIGNED-LU.

Special Instructions: PUT DEFAULT LU# IN WORD 620 OF CONFIG FILE

<Companion is patch LINKP82-03>

| Location<br>(Octal) | New Contents<br>(Octal a/o Symbolic) | Comments<br>(Describe Solution) | Old<br>Contents |
|---------------------|--------------------------------------|---------------------------------|-----------------|
| 000547              | JMP 565                              | ;                               | 002773          |
| ;;                  |                                      |                                 |                 |
| 000565              | LDA 3,100                            | ;.INFO                          | 77377           |
| 000566              | LDA 0,20,3                           | ;.DEFAULT LU#                   | 77377           |
| 000567              | INCZ# 0,0,SNR                        | ;-1 ?                           | 77377           |
| 000570              | JMP @542                             | ;.YES                           | 77377           |
| 000571              | JMP 556                              | ;.NO                            | 77377           |

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```

+--- P4DC production manager only ---+
|
| Status _____
| Production System
| Update by _____ Date __/__/__
|
| SCO # _____ Date __/__/__
| Master File
| Update by _____ Date __/__/__
| Master File
| Name _____
+-----+

```

Patch #: SYSGM382-05

Product: SYSGM3

Detail: REX

Asm Date: 3167 Release #: 8.2

Update Date: 15-Sep-83 By: RLB1

Problem: REGS NOT SET AFTER MIN CONFIG CHECK

Special Instructions: <Companion patch for Mark 5 is: SYSGM582-04>

This patch goes into REX (MARK 3 only)

| Location<br>(Octal) | New Contents<br>(Octal a/o Symbolic) | Comments<br>(Describe Solution) | Old<br>Contents |
|---------------------|--------------------------------------|---------------------------------|-----------------|
| 045074              | JMP 45041                            | ;                               | 002754          |

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```

+--- P4DC production manager only ---+
|
| Status _____
| Production System
| Update by_____ Date__/_/___
|
| SCO # _____ Date__/_/___
| Master File
| Update by_____ Date__/_/___
| Master File
| Name _____
+-----+

```

Patch #: SYSGM582-04

Product: SYSGM5

Detail: REX

Asm Date: 3162 Release #: 8.2

Update Date: 12-Sep-83 By: RLB1

Problem: REGS NOT SET AFTER MIN CONFIG CHECK

Special Instructions: <Companion patch for Mark 3 is: SYSGM382-05>

This patch goes into REX (MARK 5 or 8 only)

| Location<br>(Octal) | New Contents<br>(Octal a/o Symbolic) | Comments<br>(Describe Solution) | Old<br>Contents |
|---------------------|--------------------------------------|---------------------------------|-----------------|
| 045115              | JMP 45062                            | ;                               | 002754          |

Point 4 Data Corporation  
830916

```

+--- P4DC production manager only ---+
|
| Status _____
| Production System
| Update by _____ Date__/_/___
|
| SCO # _____ Date__/_/___
| Master File
| Update by _____ Date__/_/___
| Master File
| Name _____
+-----+

```

```

Patch #: TRMT95082-01
Product: TRMT950
Detail: $TERM.TV950
Asm Date: 3120 Release #: R8.2
Update Date: 26-Aug-83 By: DJZA

```

Problem: THE 'CU' (CLEAR UNPROTECTED) COMMAND TO THE TV950 IS NOT COMPATIBLE WITH THE WY-100 TERMINAL. THIS MAKES 'CU' USABLE FOR BOTH THE TV950 & WY-100.

Special Instructions:

| Location<br>(Octal) | New Contents<br>(Octal a/o Symbolic) | Comments<br>(Describe Solution) | Old<br>Contents |
|---------------------|--------------------------------------|---------------------------------|-----------------|
| 032233              | 35443                                | ;;SEMI-COLON INSTEAD OF PLUS    | 025443          |



## Point 4 Data Corporation

```

+--- P4DC production manager only ---+   Patch #: CTUS82-03
| Status _____ |   Product: CTUS
| Production System |   Detail: CTUS
| Update by _____ Date__/_/___ |   Asm Date: 3162  Release #: R8.2
| SCO # _____ Date__/_/___ |   Update Date: 22-Sep-83  By: RMSB
| Master File |
| Update by _____ Date__/_/___ |
| Master File |
| Name _____ |
+-----+

```

Problem: \$CTUS does not initialize flag word (FLW.) for use by CTU subsystem.

("WRITE #C, 5; X" doesn't work on CTU. This fixes that problem.)

Special Instructions: This patch supercedes CTUS82-01

```

+-----+-----+-----+-----+
| Location | New Contents | Comments | Old |
| (Octal) | (Octal a/o Symbolic) | (Describe Solution) | Contents |
+-----+-----+-----+-----+
| 033762 | STA 3,31,2 | ;SAVE A (NODE) | 055031 |
+-----+-----+-----+-----+
| 033763 | 6136 | ;OFF TO PATCH | 006136 |
+-----+-----+-----+-----+
| 033764 | 177145 | ; | 177145 |
+-----+-----+-----+-----+
;;
+-----+-----+-----+-----+
| 033131 | STA 3,33142 | ;SAVE RETURN | 054410 |
+-----+-----+-----+-----+
| 033132 | LDA 3,31,2 | ;LOAD NLP. | 035031 |
+-----+-----+-----+-----+
| 033133 | LDA 0,12,2 | ;LOAD FLW. | 021012 |
+-----+-----+-----+-----+
| 033134 | STA 0,21,3 | ;SAVE AT TLW. | 041421 |
+-----+-----+-----+-----+
| 033135 | STA 1,12,2 | ;INITIALIZE FLW. FOR CTUS | 021037 |
+-----+-----+-----+-----+
| 033136 | LDA 0,37,2 | ;RESTORE EXISTING CODE | 024037 |
+-----+-----+-----+-----+
| 033137 | LDA 1,37 | ; " " | 123400 |
+-----+-----+-----+-----+
| 033140 | AND 1,0 | ; " " | 002401 |
+-----+-----+-----+-----+
| 033141 | JMP @.+1 | ;RETURN FROM PATCH1 | 000000 |
+-----+-----+-----+-----+
| 033142 | 0 | ;_RETURN_ADDRESS | 77377 |
+-----+-----+-----+-----+
;;
+-----+-----+-----+-----+

```

Point 4 Data Corporation

Patch #: CTUS82-03

Product: CTUS Asm Date: 3162 Release #: R8.2

| Location<br>(Octal) | New Contents<br>(Octal a/o Symbolic) | Comments<br>(Describe Solution) | Old<br>Contents |
|---------------------|--------------------------------------|---------------------------------|-----------------|
| 034211              | JMP 34124                            | ;OFF TO PATCH 2                 | 000713          |
| ;;                  |                                      |                                 |                 |
| 034124              | LDA 0,21,3                           | ; TLW => FLW.                   | 021421          |
| 034125              | STA 0,12,2                           | ;                               | 041012          |
| 034126              | LDA 0,34216                          | ;SET UP URA. INTO BYE           | 020470          |
| 034127              | STA 0,14,2                           | ;                               | 041014          |
| 034130              | ADCZL 0,0                            | ;GENERATE -2                    | 102120          |
| 034131              | JSR @32,2                            | ;START INPUT                    | 007032          |
| 034132              | LDA 0,34060                          | ;RESTORE EXISTING CODE          | 020720          |
| 034133              | JMP 34212                            | ;                               | 000457          |
| ;;                  |                                      |                                 |                 |
| 034216              | 132202                               | ;;@BPS+2 ESC ENTRY IN BYE       | 132202          |



Point 4 Data Corporation

|  |  |
|--|--|
| <pre> +--- P4DC production manager only ---+   Status _____   Production System   Update by_____ Date__/_/___     SCO # _____ Date__/_/___   Master File   Update by_____ Date__/_/___   Master File   Name _____         </pre> | <pre> Patch #: M3LPT82-01 Product: M3LPT Detail: \$LPT (M3) / R82M3LPTSA Asm Date: 3120 Release #: R8.2 Update Date: 11-Aug-83 By: DJZA         </pre> |
|--|--|

Problem: ANY OUTPUT TO LINE PRINTER ON MARK 3 CAUSES TRAP 34

Special Instructions: THIS PATCH IS A REISSUE. FIRST SENT OUT IN R8.2  
 RELEASE NOTES DATED AUGUST 15, 1983.

| Location<br>(Octal) | New Contents<br>(Octal a/o Symbolic) | Comments<br>(Describe Solution) | Old<br>Contents |
|---------------------|--------------------------------------|---------------------------------|-----------------|
| 032406              | 2134                                 | !;@PUTBYTE&377                  | 000132          |
| 032407              | 2134                                 | !;@PUTBYTE&377                  | 000132          |



Point 4 Data Corporation

+--- P4DC production manager only ---+

|                   |                    |
|-------------------|--------------------|
| Status            | _____              |
| Production System |                    |
| Update by         | _____ Date__/__/__ |
| SCO #             | _____ Date__/__/__ |
| Master File       |                    |
| Update by         | _____ Date__/__/__ |
| Master File       |                    |
| Name              | _____              |

Patch #: M3DUTL32SA-06

Product: M3DUTL

Detail: DISCUTILITY 3.2

Asm Date: 3152 Release #: V 3.2

Update Date: 26-Sep-83 By: RDC1

Problem: NEED TO ADD PRIAM DRIVES 3350 (34 MB) AND 6650 (68 MB)

FOR DISCUTILITY 3.2

Special Instructions: THE DRIVE TYPE FOR THE PRIAM 3350 (34 MB) IS : 111.

THE DRIVE TYPE FOR THE PRIAM 6650 (68 MB) IS : 112.

| Location<br>(Octal) | New Contents<br>(Octal a/o Symbolic) | Comments<br>(Describe Solution) | Old<br>Contents |
|---------------------|--------------------------------------|---------------------------------|-----------------|
| 015414              | 0                                    | ;                               | 000000          |
| 015415              | 2                                    | ;                               | 000000          |
| 015416              | 40                                   | ;                               | 000000          |
| 015417              | 1060                                 | ;                               | 000000          |
| 015420              | 5                                    | ;                               | 000000          |
| 015421              | 0                                    | ;                               | 000000          |
| 015422              | 2                                    | ;                               | 000000          |
| 015423              | 40                                   | ;                               | 000000          |
| 015424              | 1777                                 | ;                               | 000000          |
| 015425              | 5                                    | ;                               | 000000          |



Point 4 Data Corporation

```

+--- P4DC production manager only ---+
|
| Status _____
| Production System
| Update by _____ Date__/__/__
|
| SCO # _____ Date__/__/__
| Master File
| Update by _____ Date__/__/__
| Master File
| Name _____
+-----+

```

Patch #: M5DUTL22SA-02

Product: M5DUTL

Detail: DISCUTILITY 2.2

Asm Date: 3118 Release #: V 2.2

Update Date: 26-Sep-83 By: RDC1

Problem: NEED TO ADD PRIAM DRIVES 3350 (34 MB) AND 6650 (68 MB)

FOR DISCUTILITY 2.2

Special Instructions: THE DRIVE TYPE FOR THE PRIAM 3350 (34 MB) IS : 111.

THE DRIVE TYPE FOR THE PRIAM 6650 (68 MB) IS : 112.

| Location<br>(Octal) | New Contents<br>(Octal a/o Symbolic) | Comments<br>(Describe Solution) | Old<br>Contents |
|---------------------|--------------------------------------|---------------------------------|-----------------|
| 010614              | 0                                    | ;                               | 000000          |
| 010615              | 2                                    | ;                               | 000000          |
| 010616              | 40                                   | ;                               | 000000          |
| 010617              | 1060                                 | ;                               | 000000          |
| 010620              | 0                                    | ;                               | 000000          |
| 010621              | 2                                    | ;                               | 000000          |
| 010622              | 40                                   | ;                               | 000000          |
| 010623              | 1777                                 | ;                               | 000000          |



## Point 4 Data Corporation

```

+--- P4DC production manager only ---+
|
| Status _____
| Production System
| Update by _____ Date __/__/__
|
| SCO # _____ Date __/__/__
| Master File
| Update by _____ Date __/__/__
| Master File
| Name _____
+-----+

```

Patch #: STREAM20SA-02

Product: STREAM

Detail: STREAMER

Asm Date: 2256 Release #: 2.0

Update Date: 26-Sep-83 By: RDC1

Problem: NEED TO ADD PRIAM DRIVES 3350 (34 MB) AND 6650 (68 MB)

FOR STREAMER 2.0

Special Instructions: THE DRIVE TYPE FOR THE PRIAM 3350 (34 MB) IS : 111.

THE DRIVE TYPE FOR THE PRIAM 6650 (68 MB) IS : 112.

| Location<br>(Octal) | New Contents<br>(Octal a/o Symbolic) | Comments<br>(Describe Solution) | Old<br>Contents |
|---------------------|--------------------------------------|---------------------------------|-----------------|
| 010016              | 0                                    | ;                               | 000000          |
| 010017              | 2                                    | ;                               | 000000          |
| 010020              | 40                                   | ;                               | 000000          |
| 010021              | 1060                                 | ;                               | 000000          |
| 010022              | 0                                    | ;                               | 000000          |
| 010023              | 2                                    | ;                               | 000000          |
| 010024              | 40                                   | ;                               | 000000          |
| 010025              | 1777                                 | ;                               | 000000          |





## **R8.2 BASIC PROGRAM SCOs**

**October 1, 1983**



**POINT 4 Data Corporation**

```
      4444  4
    4444  444
  444  4  4444
  4  444  4444

44444444  4444
 4444444  444
    4444  4
```

TO: All IRIS 8.2 Users  
FROM: Applications Software Department  
DATE: OCTOBER 1, 1983  
SUBJ: Patch to LCMCHECK

This patch is for the BASIC program 'LCMCHECK'. It should only be applied if your operating system is IRIS 8.2.

DO NOT apply this patch if your operating system is not IRIS 8.2.

This patch should be applied using the procedure for patching BASIC programs described in this bulletin.

```
80 REM PROGRAM NAME: LCMCHECK
80 REM
80 REM DATE CREATED: 9-20-83
80 REM
80 REM OLD CHECK CODE: 125C7
80 REM NEW CHECK CODE: 11804
80 REM
80 REM REMARK: LCMCHECK REPORTS INVALID INFORMATION
80 REM
80 DIM S$(1008),S(84)
1190 LET N(25)=-4
1220 LET N(26)=-3
1250 LET N(27)=-2
1280 LET N(28)=-1
1310 LET N(29)=-4
1340 LET N(30)=-3
1370 LET N(31)=-2
1400 LET N(32)=-1
1430 LET N(33)=63
1460 LET N(34)=4
1490 LET N(35)=2
1640 LET X=FNM(76)
3620 IF X<1008 GOTO 3560
```

**POINT 4 Data Corporation**

```
      4444  4
    4444    444
  444      4  4444
  4      444  4444

  44444444  4444
    444444  444
      4444  4
```

TO: IRIS 8.2 Users  
FROM: Applications Software Department  
DATE: OCTOBER 1, 1983  
SUBJ: Patch to EXTRAPORT

This patch is for the BASIC program 'EXTRAPORT'. If you have retained the text file 'T.EXTRAPORT' as part of your system, we recommend that you use a text editor, such as EDIT or STYLUS, to edit the text file. Then re-LOAD the text file into BASIC and re-SAVE the program.

If you do not have the text file 'T.EXTRAPORT' on your system, you should patch the BASIC program 'EXTRAPORT' using the procedure for patching BASIC programs described in this bulletin.

```
850 REM PROGRAM NAME: EXTRAPORT
850 REM
850 REM DATE CREATED: 9-20-83
850 REM
850 REM OLD CHECK CODE: 57D9
850 REM NEW CHECK CODE: 124C3
850 REM
850 REM REMARK: Patch to make program compatible with IRIS 8.2
850 REM
850 LET L=SPC (65536+F)
870 LET J=SPC (65536+L)
890 LET A=SPC (65536+T)
```

**POINT 4 Data Corporation**

```
      4444  4
    4444  444
  444  4  4444
  4   444  4444

  4444444  4444
  4444444  444
  4444  4
```

**TO: All IRIS Users**  
**FROM: Systems Software Department**  
**DATE: SEPTEMBER 1, 1983**  
**SUBJ: Patching BASIC Programs**

Making patches to a protected BASIC program is a one-way street. That is, if an error is made during the patch process, such as entering a patch with the wrong line number, you can destroy program code that cannot be restored. In an effort to help you avoid possible errors, we propose the following procedure.

**STEP 1.** Use the COPY command to make a copy of the BASIC program module to be patched. Copy the program to another or the same Logical Unit, but give it a new name.

**EXAMPLE: #COPY LU/PROGRAM.BU=LU/PROGRAM**

**NEVER patch this backup program !!**

**STEP 2.** Create an IRIS text file consisting of all the patch lines of code for the module. Note---REM lines are optional, but may be included for documentation purposes. Be sure to enter each patch line into the text file in the same order shown on the patch listing. If lines are NOT entered in the same order shown, the new check code may not match.

**STEP 3.** Bring the program module into BASIC, load the patch text file, and SAVE the program under the original name.

**EXAMPLE: #BASIC LU/PROGRAM**  
**LOAD LU/Patchfile**  
**EXIT**  
**#SAVE LU/PROGRAM!**

**IRIS will respond with: SAVED !! CHECK CODE = NNNN**

NOTE: The "EXIT" command is used in IRIS R8 only. In IRIS 7.5, use a "CONTROL C" to return to SCOPE.

Keep the copy of the unpatched program available. Also, keep the patch text file on your system and use it to enter any subsequent patches to the same program.

If the above procedure is followed, your BASIC programs should be patched without error and the CHECK CODES will agree.

For the Applications Packages (STYLUS, TYPIST and FORCE) the patcher utility programs supplied with the Application Package should be used to apply any patches.