THE
-DEVIAS-
LETTER

Issue No. 26

MAY 1985

I N T H I S I S S U E

The DeVIAS Letter Needs contributions in order to continue as an effective medium for exchange of information regarding IAS. All contributions should be camera ready copy, e.g. sharp black type on 8.5 by 11 inch paper with 1 inch margins.

Please send all contributions to:

John Roman
McDonnell Douglas Corp. - Dept. N436
600 McDonnell Blvd.
Hazelwood, Missouri 63042

Department of Radiation Therapy
University of Pennsylvania
Room 410
133 South 36th Street
Philadelphia, Pennsylvania 19104
11 April 1985

Dear IAS SIG Member,

The long awaited release of IAS Version 3.2 has not happened. I have heard that it was going to happen. I have heard dates. But, my mailman has not delivered it. I have an RA81 connected to my 11/70 - empty. I have to pay Field Service to keep it running, but I am still not using it. Am I bitter? How long has it been?

I have the feeling that we're all waiting.... to see if the committments that we have made, based on the statements of friends, will cost us our jobs. Maybe not that, perhaps just this year's promotion. It is a serious time.

Spring is about to burst forth in the Northern Hemisphere. May it augur well for all of us,

Sincerely,
Robert F. Curley

Letter from the Editor

Spring has arrived here in St. Louis as well, but my rebirth of optimism for IAS has waned. Like Bob, I am wondering about committments. Ones made to us, as well as ones I have made on expected delivery dates, functionality, and performance. How long has it been since 3.2 was announced? My understanding is that it was here in St. Louis two years ago.

This issue should get to you about the time of the Spring Symposium. As in previous issues, I am hoping that you have 3.2 by the time this gets to you. Perhaps this time we will be lucky.

This issue has several letters and SPRs that were left over from last year when John Drummond was still editor. I am sorry for the delay in getting them out to you. I hope they may help you.

John Roman

DSM,
Postbus 65, 6400 AB Heerlen
☎ (045)

DSM

Mr. Drummond

Ontario Hydro
700 University Avenue
Toronto, Ontario
CANADA, M5G 1X6

uw brief van	uw referentie	onze referentie	Heerlen,
			16th july 1984

Dear Mr. Drummond,

Here with we send you a copy of our lastest SPR's we reported to DEC.
Early may this year we started implementing DECNET v3.0 on our IAS-systems.
Though we must admit that this version is certainly an improvement to v2.1,
it is not free of bugs either.

The bug in the DV-driver is a nasty one.
Since it is easy to overcome the problem by just rebuilding the DV process
(NT.DV) as indicated in the SPR it might be of interest to other users.

Sincerely,

J.L.C. Plasman

Afd. Systeem Technieken DSM
Postbus 600
6160 MJ GELEEN

Kantooradres: Van der Maesenstraat 2, Heerlen
Telegramadres DSM Heerlen / telex 56018

Naamloze Vennootschap DSM
Heerlen, Handelsregister nr. 22 069

PLEASE READ ATTACHED INSTRUCTIONS

PLEASE TYPE

digital

SOFTWARE PERFORMANCE REPORT

FIELD NO.:	CORPORATE SPR NO.:

534252

✓ TO SET UP FOR PROPER ALIGNMENT, START AT MARK BELOW.

PAGE ____ OF____

OPERATING SYSTEM	VERSION	SYSTEM PROGRAM OR DOCUMENT TITLE	VERSION OR DOCUMENT PART NO.	DATE
[IAS	3.1	DECNET	v3.0	03.07.84

NAME: J.L.C. Plasman
FIRM: DSM Limburg BV
Afd. Systeem Technieken
Postbus 600
ADDRESS: 6160 MJ Geleen
CUST. NO.:

DEC OFFICE AND CONTACT PERSON

DO YOU HAVE SOURCES? YES [ ] NO [X]

REPORT TYPE/PRIORITY

- [X] PROBLEM/ERROR
- [ ] SUGGESTED ENHANCEMENT
- [ ] OTHER

1. [ ] HEAVY SYSTEM IMPACT
2. [ ] MODERATE SYSTEM IMPACT
3. [ ] MINOR SYSTEM IMPACT
4. [X] NO SIGNIFICANT IMPACT
5. [ ] DOCUMENTATION/SUGGESTION

SUBMITTED BY: H. Plasman PHONE: 04494-66755

CAN THE PROBLEM BE REPRODUCED AT WILL? YES [X] NO [ ]

ATTACHMENTS
MAG TAPE [ ] FLOPPY DISKS [ ] LISTING [X] DECTAPE [ ]
OTHER:

COULD THIS SPR HAVE BEEN PREVENTED BY BETTER OR MORE DOCUMENTATION? PLEASE EXPLAIN IN PROVIDED SPACE BELOW. YES [ ] NO [X]

CPU TYPE	SERIAL NO.	MEMORY SIZE	DISTRIBUTION MEDIUM	SYSTEM DEVICE	DO NOT PUBLISH
PDP11/44	19665	256 K	magn. tape	RK07	[ ]

ERROR in NFT

Using NFT to list a directory on a remote node, can result in DAP error code=12:16. The error occurs using the switches /LI or /FU and concerns only the calculation of total number of blocks in number of files. The error seems to be dependent on either the number of files listed or the number of blocks used.

We send you a hardcopy to illustrate our findings.

ALL SUBMISSIONS BECOME THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION.

SHORT NAME	MNT. CAT.	MNT. GRP.	XFER GRP.	PL	PRB. TYPE

DATE RECEIVED (MAIL)	DATE TO MAINTAINER	XFER DATE	LOGGED ON

DATE RECEIVED (ASG)	DATE RECEIVED FROM MAINTAINER	DATE ANSWERED	LOGGED OFF

EN-01044-07-REV1 (35C)

```
MCR>NFT TLX::[11,61]/FU


Directory TLX::DL0:[11,61]
11-JUL-84 16:06:52

COMDRV.TSK;1              6./6.          C  20-JUN-84 08:35:31
  [1,1]           [RWED,RWED,RWE,R]        11-JUL-84 12:57:52(11.)
NETACP.TSK;1             29./29.         C  20-JUN-84 08:38:26
  [1,1]           [RWED,RWED,RWE,R]        11-JUL-84 12:57:54(11.)
NS.TSK;1                 10./10.         C  20-JUN-84 08:40:30
  [1,1]           [RWED,RWED,RWE,R]        11-JUL-84 12:57:53(11.)
NX.TSK;1                  7./7.          C  20-JUN-84 08:42:22
  [1,1]           [RWED,RWED,RWE,R]        11-JUL-84 12:57:55(11.)
NM.TSK;1                  7./7.          C  20-JUN-84 08:43:37
  [1,1]           [RWED,RWED,RWE,R]        11-JUL-84 12:57:57(11.)
EVC.TSK;1                35./35.         C  20-JUN-84 08:45:30
  [1,1]           [RWED,RWED,RWE,R]        11-JUL-84 12:58:05(11.)
EVP.TSK;1                10./10.         C  20-JUN-84 08:48:22
  [1,1]           [RWED,RWED,RWE,R]        11-JUL-84 12:57:58(11.)
NTINIT.TSK;1             10./10.         C  20-JUN-84 08:49:54
  [1,1]           [RWED,RWED,RWE,R]        11-JUL-84 12:57:59(11.)
NTL.TSK;1               152./152.        C  20-JUN-84 08:50:18
  [1,1]           [RWED,RWED,RWE,R]        11-JUL-84 12:58:00(10.)
NVP.TSK;1                11./11.         C  20-JUN-84 08:50:22
  [1,1]           [RWED,RWED,RWE,R]        11-JUL-84 12:58:01(10.)
NCP.TSK;1               237./237.        C  20-JUN-84 08:50:25
  [1,1]           [RWED,RWED,RWE,R]        11-JUL-84 12:58:02(10.)
NICE.TSK;1              102./102.        C  20-JUN-84 08:50:31
  [1,1]           [RWED,RWED,RWE,R]        11-JUL-84 12:58:04(10.)
LIN.TSK;1                24./24.         C  20-JUN-84 08:52:13
  [1,1]           [RWED,RWED,RWE,R]        20-JUN-84 08:52:34(2.)
LOO.TSK;1                13./13.         C  20-JUN-84 08:53:11
  [1,1]           [RWED,RWED,RWE,R]        20-JUN-84 08:53:24(2.)
MIR.TSK;1                 4./4.          C  20-JUN-84 08:53:29
  [1,1]           [RWED,RWED,RWE,R]        20-JUN-84 08:53:30(1.)
EVR.TSK;1                30./30.         C  20-JUN-84 08:54:08
  [1,1]           [RWED,RWED,RWE,R]        11-JUL-84 12:58:06(11.)
CFE.TSK;1               139./139.        C  20-JUN-84 08:55:00
  [1,1]           [RWED,RWED,RWE,R]        11-JUL-84 09:57:18(3.)
NETBYE.TSK;1              4./4.          C  20-JUN-84 08:55:19
  [1,1]           [RWED,RWED,RWE,R]        20-JUN-84 15:21:06(3.)
TLK.TSK;1                23./23.         C  20-JUN-84 08:55:25
  [1,1]           [RWED,RWED,RWE,R]        11-JUL-84 12:58:08(12.)
LSN.TSK;1                19./19.         C  20-JUN-84 08:55:28
  [1,1]           [RWED,RWED,RWE,R]        11-JUL-84 12:58:07(12.)
NFT.TSK;1                63./63.         C  20-JUN-84 08:55:30
  [1,1]           [RWED,RWED,RWE,R]        11-JUL-84 12:58:11(9.)
FAL.TSK;1                50./50.         C  20-JUN-84 08:55:33
  [1,1]           [RWED,RWED,RWE,R]        11-JUL-84 12:58:09(10.)
DCM.TSK;1                 6./6.          C  20-JUN-84 08:55:36
  [1,1]           [RWED,RWED,RWE,R]        11-JUL-84 12:58:12(9.)
TCL.TSK;1                 5./5.          C  20-JUN-84 08:55:38
  [1,1]           [RWED,RWED,RWE,R]        20-JUN-84 08:55:39(1.)
NTD.TSK;1                24./24.         C  20-JUN-84 08:55:58
  [1,1]           [RWED,RWED,RWE,R]        11-JUL-84 12:58:13(10.)
NTDEMO.TSK;1             10./10.         C  20-JUN-84 08:56:31
  [1,1]           [RWED,RWED,RWE,R]        11-JUL-84 12:58:14(10.)
RMT.TSK;1                20./20.         C  20-JUN-84 08:57:46
  [1,1]           [RWED,RWED,RWE,R]        11-JUL-84 12:58:15(10.)
HT.TSK;1                 30./30.         C  20-JUN-84 08:59:18
  [1,1]           [RWED,RWED,RWE,R]        11-JUL-84 12:58:17(11.)
NFT -- Error in reading directory TLX::[11,61]
       DAP error code (macro:micro)= 12:16
MCR>NFT TLX::[1,1]/LI
```

```
Directory TLX::DL0:[1,1]
11-JUL-84 16:07:53

RMSSEQ.STB;1              10./10.              29-MAY-84 11:31:00
NETLIB.MLB;7              65./66.              20-JUN-84 08:59:51
SGAFIXTKB.CMD;1           1./1.                14-FEB-84 11:05:28
TSINS.CMD;1               1./1.                21-NOV-83 16:27:12
TSREM.CMD;1               1./1.                21-NOV-83 16:27:13
TSTKB.CMD;1               1./1.                14-FEB-84 08:52:51
SYSREC.DOC;2              87./87.              16-MAR-84 09:11:20
MCRFIX.MAC;6              8./8.                14-FEB-84 11:05:29
SGAFIX.MAC;3              1./1.                14-FEB-84 11:05:27
LP.;1                     6./6.                18-JUN-84 13:58:58
SUP.NWS;1                 5./5.                27-FEB-84 13:11:22
TLX.NWS;2                 6./6.                22-MAR-84 09:13:50
FODT.OBJ;11               7./7.                14-FEB-84 11:03:10
ODT.OBJ;1                 9./9.                14-FEB-84 11:03:07
TRACE.OBJ;1               2./2.                14-FEB-84 11:03:08
A.TMP;1                   1./5.                04-JUL-84 15:33:55
SYSLIB.OLB;1              423./423.            14-FEB-84 11:02:16
RSXMAC.SML;1              286./286.            14-FEB-84 11:02:07
EXEC.STB;1                18./18.              14-FEB-84 11:01:39
FCPCOM.STB;1              1./1.                14-FEB-84 11:01:56
FTNRES.STB;1              1./1.                01-JAN-99 18:55:49
FTNSUB.STB;1              6./6.                01-JAN-99 18:55:21
HNDLIB.STB;1              26./26.              14-FEB-84 11:02:04
IASCOM.STB;1              18./18.              13-FEB-84 14:26:03
IASSYM.STB;1              2./2.                14-FEB-84 11:01:41
SYSRES.STB;1              2./2.                14-FEB-84 11:02:01
BLOCK.TSK;1               4./4.            C   14-FEB-84 11:05:26
FCPCOM.TSK;1              3./3.            C   14-FEB-84 11:01:54
FTNRES.TSK;1              7./7.            C   01-JAN-99 18:55:42
FTNSUB.TSK;1              17./17.          C   01-JAN-99 18:55:02
FXT.TSK;3                 4./4.            C   14-FEB-84 11:05:32
HNDLIB.TSK;1              12./12.          C   14-FEB-84 11:02:02
IASCOM.TSK;1              5./5.            C   13-FEB-84 14:25:51
PATHND.TSK;6              5./5.            C   14-FEB-84 11:05:37
SGALOK.TSK;7              5./5.            C   14-FEB-84 11:05:31
SYSRES.TSK;1              17./17.          C   14-FEB-84 11:01:59
BASIC2.OLB;1              266./266.            30-MAY-84 14:39:51
BASRMS.OLB;1              46./46.              30-MAY-84 14:40:01
NFT.CMD;3                 2./2.                16-APR-84 11:17:07
RMSLIB.OLB;1              213./213.            24-APR-84 14:46:01
IAS.CMD;30                1./5.                20-JUN-84 14:30:13
RMSSEQ.TSK;1              16./16.          C   29-MAY-84 11:31:17
BP2IC0.ODL;1              1./1.                30-MAY-84 14:40:17
BP2IC1.ODL;1              2./2.                30-MAY-84 14:40:20
KBBLD.CMD;3               1./1.                12-JUN-84 10:08:03
BP2IC2.ODL;1              2./2.                30-MAY-84 14:40:23
BP2IC3.ODL;1              2./2.                30-MAY-84 14:40:27
BP2IC4.ODL;1              2./2.                30-MAY-84 14:40:31
BP2IC5.ODL;1              2./2.                30-MAY-84 14:40:34
BP2IC6.ODL;1              2./2.                30-MAY-84 14:40:37
BP2IC7.ODL;1              2./2.                30-MAY-84 14:40:40
LOGIN.TST;2               5./5.                20-JUN-84 15:49:56
RMS11S.ODL;1              7./7.                24-MAY-84 11:39:21
NONAME.OBJ;2              2./2.                24-MAY-84 11:50:01
IAS.CMD;41                1./5.                02-JUL-84 16:52:51
NETFOR.OLB;16             63./63.              20-JUN-84 09:00:29
LOGIN.CMD;61              5./5.                25-JUN-84 12:16:53
KB.B2S;4                  1./1.                12-JUN-84 10:37:52
NFT -- Error in reading directory TLX::[1,1]
       DAP error code (macro:micro)= 12:16
MCR>NFT TLX::[11,61]/BR
```

```
Directory TLX::DL0:[11,61]
11-JUL-84 16:08:59
.
COMDRV.TSK;1
NETACP.TSK;1
NS.TSK;1
NX.TSK;1
NM.TSK;1
EVC.TSK;1
EVF.TSK;1
NTINIT.TSK;1
NTL.TSK;1
NVP.TSK;1
NCP.TSK;1
NICE.TSK;1
LIN.TSK;1
LOO.TSK;1
MIR.TSK;1
EVR.TSK;1
CFE.TSK;1
NETBYE.TSK;1
TLK.TSK;1
LSN.TSK;1
NFT.TSK;1
FAL.TSK;1
DCM.TSK;1
TCL.TSK;1
NTD.TSK;1
NTDEMO.TSK;1
RMT.TSK;1
HT.TSK;1

MCR>
```

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SOFTWARE PERFORMANCE REPORT

FIELD NO.:	SPR NO.:

SOFTWARE SERVICES NO.:

203552

PAGE _____ OF _____

OPERATING SYSTEM	VERSION	SYSTEM PROGRAM OR DOCUMENT TITLE	VERSION OR DOCUMENT PART NO.	DATE
IAS	3.1	DECNET	v5.0	03.07.84

(SEE EXAMPLE IN INSTRUCTIONS)

NAME: J.L.C. Plasman
FIRM: DSM Limburg BV
Afd. Systeem Technieken Ms1
ADDRESS: Postbus 600
6160 MJ Geleen

DEC OFFICE

DO YOU HAVE SOURCES? YES ☐ NO ☒

REPORT TYPE/PRIORITY

- ☒ PROBLEM/ERROR
- ☐ SUGGESTED ENHANCEMENT
- ☐ OTHER

PRIORITY: ☐ 5. ☐ 4. ☒ 3. ☐ 2. ☐ 1.

SUBMITTED BY: H. Plasman
PHONE: 04494- 66755

CAN THE PROBLEM BE REPRODUCED AT WILL? YES ☒ NO ☐

ATTACHMENTS
MAG TAPE ☒ FLOPPY DISKS ☐ LISTING ☐
DECTAPE ☐ OTHER _____

COULD THIS SPR HAVE BEEN PREVENTED BY BETTER OR MORE DOCUMENTATION? PLEASE EXPLAIN IN PROVIDED SPACE BELOW. YES ☐ NO ☒

CPU TYPE	SERIAL NO.	MEMORY SIZE	DISTRIBUTION MEDIUM	SYSTEM DEVICE	DO NOT PUBLISH
PDP 11/44	19665	256 K	Magn. tape	RK07	☐

NCP commandsequence to crash your system

The following commandsequence can crash ~~xxx~~ an IAS system. (This procedure is also valid for a RSX11M system).

NCP> SET KNOWN LOGGING STATE ON
NCP> CLEAR PROCESS EVL ALL
NCP> SET KNOWN LINES STATE ON (OFF)

Analyzing the crash-dump ~~NDA~~ will, shows that EVL is the current process.

DATE RECEIVED	DATE TO MAINTAINER	DATE LOGGED OFF
LOGGED ON	DATE RECEIVED FROM MAINTAINER	DATE ANSWER SENT

EN-1044F-07 (35C)-R1077

81-307-34

PLEASE READ ATTACHED INSTRUCTIONS — PLEASE TYPE

digital

SOFTWARE PERFORMANCE REPORT

FIELD NO.:	CORPORATE SPR NO.:

534255

PAGE ____ OF ____

✓ TO SET UP FOR PROPER ALIGNMENT, START AT MARK BELOW.

OPERATING SYSTEM	VERSION	SYSTEM PROGRAM OR DOCUMENT TITLE	VERSION OR DOCUMENT PART NO.	DATE
[IAS	3.1	DECNET	v3.0	03.07.84

NAME: J.L.C. Plasman
FIRM: DSM Limberg BV
Afd. Systeem Technieken
ADDRESS: Postbus 600
CUST. NO.: 6160 MJ Geleen

DEC OFFICE AND CONTACT PERSON

DO YOU HAVE SOURCES? YES [ ] NO [X]

REPORT TYPE/PRIORITY

- [X] PROBLEM/ERROR
- [ ] SUGGESTED ENHANCEMENT
- [ ] OTHER

1. [X] HEAVY SYSTEM IMPACT
2. [ ] MODERATE SYSTEM IMPACT
3. [ ] MINOR SYSTEM IMPACT
4. [ ] NO SIGNIFICANT IMPACT
5. [ ] DOCUMENTATION/SUGGESTION

SUBMITTED BY: H. Plasman — PHONE: 04494-66755

CAN THE PROBLEM BE REPRODUCED AT WILL? YES [X] NO [ ]

ATTACHMENTS
MAG TAPE [ ] FLOPPY DISKS [ ] LISTING [ ] DECTAPE [ ]
OTHER:

COULD THIS SPR HAVE BEEN PREVENTED BY BETTER OR MORE DOCUMENTATION? PLEASE EXPLAIN IN PROVIDED SPACE BELOW. YES [ ] NO [X]

CPU TYPE	SERIAL NO.	MEMORY SIZE	DISTRIBUTION MEDIUM	SYSTEM DEVICE	DO NOT PUBLISH
PDP11/44	19665	256 K	magn. tape	RK07	[ ]

BUG in NT.DV.

Performing routing on a network crashes systems with an incoming DV-interface port and an outgoing port of the same type. We located from crash-analysis that the problem originates from the DV-driver. The driver leaves the RDB-pointer in the CCB at the end of its cycle pointing to the wrong location for the DCP-process.
The DCP process causes a crash rebuilding the DDCMP header for a routing action on RDB's with an original bias of 40010.
We have overcome the problem by rebuilding the DV-driver with: GBLDEF=DLC$OV:6

SHORT NAME	MNT. CAT.	MNT. GRP.	XFER GRP.	PL	PRB. TYPE
DATE RECEIVED (MAIL)		DATE TO MAINTAINER	XFER DATE	LOGGED ON	
DATE RECEIVED (ASG)		DATE RECEIVED FROM MAINTAINER	DATE ANSWERED	LOGGED OFF	

81-307-34

PLEASE READ ATTACHED INSTRUCTIONS — PLEASE TYPE

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SOFTWARE PERFORMANCE REPORT

FIELD NO.:	CORPORATE SPR NO.:

534254

TO SET UP FOR PROPER ALIGNMENT, START AT MARK BELOW.

PAGE ____ OF ____

OPERATING SYSTEM	VERSION	SYSTEM PROGRAM OR DOCUMENT TITLE	VERSION OR DOCUMENT PART NO.	DATE
IAS	3.1	EDI	M05.04	03.07.84

NAME: J.L.C. Plasman
FIRM: DSM Limburg BV
Afd. Systeeem Technieken
ADDRESS: Postbus 600
6160 MJ Geleen
CUST. NO.:

DEC OFFICE AND CONTACT PERSON:

DO YOU HAVE SOURCES? YES [ ] NO [ ]

REPORT TYPE/PRIORITY

- [ ] SUGGESTED ENHANCEMENT
- [ ] OTHER

1. [ ] HEAVY SYSTEM IMPACT
2. [ ] MODERATE SYSTEM IMPACT
3. [ ] MINOR SYSTEM IMPACT
4. [X] NO SIGNIFICANT IMPACT
5. [ ] DOCUMENTATION/SUGGESTION

SUBMITTED BY: H. Plasman PHONE: 04494-66755

CAN THE PROBLEM BE REPRODUCED AT WILL? YES [X] NO [ ]

ATTACHMENTS: MAG TAPE [ ] FLOPPY DISKS [ ] LISTING [X] DECTAPE [ ]

OTHER:

COULD THIS SPR HAVE BEEN PREVENTED BY BETTER OR MORE DOCUMENTATION? PLEASE EXPLAIN IN PROVIDED SPACE BELOW. YES [ ] NO [X]

CPU TYPE	SERIAL NO.	MEMORY SIZE	DISTRIBUTION MEDIUM	SYSTEM DEVICE	DO NOT PUBLISH
PDP11/44	19665	256K	magn. tape	RK07	[ ]

EDI CREATES BAD-FILE

When you edit an existing file and perform an unsave from an unmounted device, EDI will terminate giving the message:

EDI -- PRIVILEDGE VIOLATION

EDI, however, leaves behind a partially filled new version, which can cause problems.

Hardcopy listing is enclosed.

SHORT NAME	MNT. CAT.	MNT. GRP.	XFER GRP.	PL	PRB. TYPE

DATE RECEIVED (MAIL)	DATE TO MAINTAINER	XFER DATE	LOGGED ON

DATE RECEIVED (ASG)	DATE RECEIVED FROM MAINTAINER	DATE ANSWERED	LOGGED OFF

EN-01044-07-REV1 (35C)

```
MCR>SRD DL2:TEST.TST
:
:** DL2:[21,21] 12-APR-84 13:43
:
TEST      .TST;5      12-APR-84 13:43   (2014,1)    46./50.
TEST      .TST;2      12-APR-84 13:10   (2010,1)    46./50.
TEST      .TST;1      12-APR-84 13:07   (2006,11)   46./46.
MCR>EDI DL2:TEST.TST
[00080 LINES READ IN]
[PAGE    0]
*
FOR BEVCON WITH BEV-NO EQ '1FS922' MODIFY USING BEGIN
*
INSTEL=' '
*E
END
*PL
[00080 LINES READ IN]
FOR BEVCON WITH BEV-NO EQ '1dPS929' MODIFY USING BEGIN
*E
END
*PL
[00080 LINES READ IN]
FOR BEVCON WITH BEV-NO EQ 'hPS947' MODIFY USING BEGIN
*UNS DL3:A                    DL3: is not mounted!
E?I -- PRIVILEGE VIOLATION
EDI>^Z

[EXIT]

MCR>SRD DL2:TEST.TST
:
:** DL2:[21,21] 12-APR-84 13:44
:
TEST      .TST;6      12-APR-84 13:44   (2012,2)    5./5.
TEST      .TST;5      12-APR-84 13:43   (2014,1)    46./50.
TEST      .TST;2      12-APR-84 13:10   (2010,1)    46./50.
TEST      .TST;1      12-APR-84 13:07   (2006,11)   46./46.
MCR>
```

DEPARTMENT OF THE AIR FORCE
HEADQUARTERS AIR FORCE INTELLIGENCE SERVICE
BOLLING AFB, DC 20332

REPLY TO ATTN OF: INDO

31 MAY 1984

SUBJECT: Software Performance Report (SPR)

TO: Administrative Services Group, SWS
PO BOX F
Maynard, MA 01754

1. Problems were recently encountered at a supported site with PIP under IAS V3.1. A Software Performance Report detailing the problem is attached.

2. Please direct related inquires to Lt Ron Fussell or TSgt Harvey Stanfield, (202) 767-4518.

Michael E Harlan

MICHAEL E. HARLAN, Lt Col, USAF
Ch, Operations and Development Div
Air Force Intelligence Service

1 Atch
SPR dtd 17 May 84

Cy to: INCO, Inc.
IPAC, Box 38 (SM-3)
Attn: Mr Michael S. Ward
Camp Smith, HI 96861

Ontario Hydro
Attn: Mr. John W. Drummond
700 University Ave
Toronto, Canada
Canada, MSG 1X6
Mail Stop M2E10

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digital

SOFTWARE PERFORMANCE REPORT

FIELD NO.:	CORPORATE SPR NO.:
	071339

TO SET UP FOR PROPER ALIGNMENT, START AT MARK BELOW.

OPERATING SYSTEM	VERSION	SYSTEM PROGRAM OR DOCUMENT TITLE	VERSION OR DOCUMENT PART NO.	DATE
[IAS	3.1	IAS PIP (UTILITY)	3.1	17 May 84

NAME: Air Force Intelligence/IND
FIRM: Bolling AFB, Bldg 5681
Washington, DC 20332
Attn: Ron Fussell
ADDRESS:
CUST. NO.: 8305 4234J

SUBMITTED BY: Michael Scott Ward
PHONE: (808) 477-6256

DEC OFFICE AND CONTACT PERSON: Honolulu
POC - Layton Fuji

DO YOU HAVE SOURCES? YES [ ] NO [X]

REPORT TYPE/PRIORITY

- [X] PROBLEM/ERROR
- [ ] SUGGESTED ENHANCEMENT
- [ ] OTHER

1. [ ] HEAVY SYSTEM IMPACT
2. [ ] MODERATE SYSTEM IMPACT
3. [X] MINOR SYSTEM IMPACT
4. [ ] NO SIGNIFICANT IMPACT
5. [ ] DOCUMENTATION/SUGGESTION

CAN THE PROBLEM BE REPRODUCED AT WILL? YES [X] NO [ ]

ATTACHMENTS: MAG TAPE [ ] FLOPPY DISKS [ ] LISTING [ ] DECTAPE [ ]
OTHER: Non Applicable

COULD THIS SPR HAVE BEEN PREVENTED BY BETTER OR MORE DOCUMENTATION? PLEASE EXPLAIN IN PROVIDED SPACE BELOW. YES [ ] NO [X]

CPU TYPE	SERIAL NO.	MEMORY SIZE	DISTRIBUTION MEDIUM	SYSTEM DEVICE	DO NOT PUBLISH
PDP 11/70	BT 7948	1024 DEC WD	9 Tr Magtape	BR 1538D	[ ]

PROBLEM: The IAS 3.1 peripheral interchange utility program (PIP) produces an invalid task exit status when attempting to append a file via the /ap switch. When a failure occurs during a PIP append operation, a successful exit status is returned as shown in the example below. Use the IND (indirect command file processor) to execute the following tests.

@piptst.cmd (hit escape)

Create the following command files in [1,1] to reproduce the error and to validate other IAS 3.1 PIP operations.

```
.; [1,1]PIPTST.CMD;1
.DISABLE LOWERCASE
SET /UIC=[1,1]
.OPEN FILE 2
.DATA [1,1]FILE2.DAT;1
.CLOSE
.IFNINS ...PIP INS [11,1]PIP
PIP FILE1.DAT=FILE2.DAT/AP
.IF  EXSTAT  =  SUCCES  .GOTO 1
; NON-SUCCESSFUL
.GOTO 2
.1:
; SUCCESSFUL
.2:
.ENABLE LOWERCASE
```

```
.; [1,1]PIPTST1.CMD;1
.DISABLE LOWERCASE
SET /UIC=[1,1]
.IFNINS ...PIP INS [11,1]PIP
; VALIDATION OF PIP 3.1 EXIT WITH NO
: SWITCHS
PIP XXX.DAT=YYY.DAT
.IF  EXSTAT  =  SUCCES  .GOTO 1
[illegible]
;NON-SUCCESSFUL-PIP NON-SWITCH TEST.
.GOTO 2
.1:
; SUCCESSFUL-PIP NO-SWITCH TEST.
.2:
; TO PROCESS THE NEXT TEST PROCEDURE
; TYPE CNTRL/C, RES ...AT. (hit escape)
.PAUSE
; VALIDATION OF PIP 3.1 EXIT STATUS
; WITH /RE RENAME SWITCH.
.3:
PIP XXX.DAT;1=YYY.DAT;1/RE
```

(cont on 2)

CY TO:

INCO, INC.
IPAC, Box 38 (SM-3)
Camp Smith, HI
96861
Attn:
Mr Michael Scott Ward

Ontario Hydro
700 University Ave.
Toronto, Canada
Canada, MSG 1X6
Attn:
Mr John W. Drummond
Mail Stop - M2E10

SHORT NAME	MNT. CAT.	MNT. GRP.	XFER GRP.	PL	PRB. TYPE

DATE RECEIVED (MAI	DATE TO MAINTAINER	XFER DATE	LOGGED ON

DATE RECEIVED (ASG)	DATE RECEIVED FROM MAINTAINER	DATE ANSWERED	LOGGED OFF

SPR

SOFTWARE PROBLEM REPORT

(CONTINUED FROM PAGE 1)

[1,1]PIPTST1.CMD;1

```
.IF <EXSTAT> = <SUCCES>  .GOTO 4
; NON-SUCCESSFUL-PIP/RE TEST
.OPEN YYY
.DATA [1,1]YYY.DAT;1
.CLOSE
.GOTO 3
.4:
; SUCCESSFUL-PIP/RE TEST
.ENABLE LOWERCASE
```

DIAGNOSIS:

My conclusion from the above samples. When using the append switch with PIP the appropriate exit status flags are not conditionally being set.

CURE:

Unknown, do not possess source.

Please reply upon receipt & determination.

Thank you,

Michael Scott Ward

Michael Scott Ward (SM-3)

D I G I T A L

SPR RESPONSE

Subject: SPR Number 11-67982

	System	System Version	Component
Software:	IAS	3.1	UTILITIES

Problem Statement

Pip produces an invalid task exit status when attempting to append a file via the /AP switch. When a failure occurs during a PIP append operation, a successful exit status is returned.

Response

Thank you very much for your SPR. You are correct in stating that this problem is caused by the PIP Utility failing to set the proper exit status when it completes an APPEND (/AP) operation. The following two correction files to PIP will solve this problem.

Use the "General Notes on IAS V3.1 Patches", Seq. 2.3.1.4 N, Jul 81 edition fo the IAS Software Dispatch, as a guide to the following patch application procedure:

1. Ensure that UFDs [311,5] and [11,5] exist on the system disk.

2. Create the correction files [311,5]PIPCPY.PAT and [311,5]PIPDIR.PAT with the contents shown below.

3. Ensure that the Object Library [11,5]PIP.OLB;1 is on your system disk. Copy it from the Object Distribution media if necessary.

4. If it does not exist, create the file [11,5]PIP.OLB;2 which will contain the patched object modules PIPCPY and PIPDIR. Use the following MCR command:

   >PIP [11,15]PIP.OLB;2=[11,15]PIP.OLB;1

5. Apply the patches using the following MCR commands:

```
>INS [11,1]PAT
>MAC [311,5]PIPCPY.POB=[311,5]PIPCPY.PAT
>MAC [311,5]PIPDIR.POB=[311,5]PIPDIR.PAT
>LBR [311,5]PIPCPY.OBJ;1=[11,5]PIP.OLB;1/EX:PIPCPY
>LBR [311,5]PIPDIR.OBJ;1=[11,5]PIP.OLB;1/EX:PIPDIR
>PAT [311,5]PIPCPY;2=PIPCPY;1/CS:071656,[311,5]PIPCPY.POB/CS:020655
>PAT [311,5]PIPDIR;2=PIPDIR;1/CS:131220,[311,5]PIPDIR.POB/CS:016404
>LBR [11,5]PIP.OLB;2/RP=PIPCPY.OBJ;2,PIPDIR.OBJ;2
>REM ...PAT


[311,5]PIPCPY.PAT

     .TITLE PIPCPY

     .IDENT /D0242A/
;
; 03-JUL-84     M.L. GARCIA    Have PIP give the proper exit status when
;                              doing an APPEND (/AP) operation.
;
; COPYRIGHT (C) 1984, DIGITAL EQUIPMENT CORP., MAYNARD, MASS.
;
     .PSECT   PURE$I

.BLK.=.
.=.BLK.+3470
     CALL     PAT03
     NOP
.=.BLK.
     .PSECT   MGPAT3
PAT03:
     .WORD    104426
     .WORD    OP02SZ
     .WORD    OP02MG
     MOV       FDBOUT,R0          ;RESTORE R0
     CALL     SETWAR              ;SET WARNING STATUS
     RETURN

     .END

[311,5]PIPDIR.PAT

     .TITLE   PIPDIR

     .IDENT   /D0223A/
;
; 03-JUL-84     M. L. GARCIA    Have PIP give the proper exit status when
;                               doing an APPEND (/AP) operation.
;
; COPYRIGHT (C) 1984, DIGITAL EQUIPMENT CORP., MAYNARD, MASS
```

```
;
      .PSECT    PURE$I

.BLK.=.
.=.BLK.+1112
      JMP       PAT02
.=.BLK.

      .PSECT    MGPAT2

PAT02:
      MOV        FDBOUT,R0          ;RESTORE R0
      CALL      SETWAR              ;SET WARNING STATUS
      JMP       CLOSX
      RETURN

      .END
```

Ellen A. Buffington
FTD/SQSO
Wright-Patterson AFB, Ohio 45433
31 July 1984

John W. Drummond
Mail Stop-M2E10
Ontario Hydro
700 University Avenue
Toronto, Canada M5G 1X6

Dear Mr. Drummond,

I am running an IAS V3.0 system, and I am interested in locating other users who have DIVA controllers on their 300 MB disk drives.

Are there any other systems out there using DIVA controllers?

Thank you.

Sincerely,

E A Buffington 8/2/84

ELLEN A. BUFFINGTON
513-257-4168

DEPARTMENT OF THE AIR FORCE
HEADQUARTERS AIR FORCE INTELLIGENCE SERVICE
BOLLING AFB DC 20332

REPLY TO ATTN OF: INDO

8 AUG 1984

SUBJECT: Software Performance Report (SPR)

TO: Administrative Service Group, SWS
Box F
Maynard, MA 01754

1. Problems were recently encountered at a supported site with FORTRAN-77 under IAS V3.1. An SPR detailing the problem is attached.

2. Please direct related inquiries to Lt Ron Fussell or TSgt Harvey Stanfield, (202) 767-4518.

JAMES D. SONNEBORN, Major, USAF
Acting Chief, Operations and
Development Division
Air Force Intelligence Service

2 Atch
1. SPR dtd 7 Aug 84
2. Program Listing

Cy to: HQ ESC/ADTS
Attn: Capt Edwin Dennis
Kelly AFB
San Antonio, TX 78243

Ontario Hydro
Attn: Mr. John Drummund
700 University Ave
Toranto, Canada
CANADA, M5G 1X6
MAIL STOP MZE10

digital

SOFTWARE PERFORMANCE REPORT

FIELD S: | CORPORATE SPR NO.: 43999

TO SET UP FOR PROPER ALIGNMENT, START AT MARK BELOW. PAGE ____ OF____

OPERATING SYSTEM	VERSION	SYSTEM PROGRAM OR DOCUMENT TITLE	VERSION OR DOCUMENT PART NO.	DATE
IAS	3.1	F77 COMPILER	4.1	7 AUG 84

NAME: Air Force Intelligence/IND
FIRM: Bolling AFB, Bldg 5681
ADDRESS: Washington, DC 20332
CUST. NO.: Attn;Lt Ron Fussell/8305-4234J

DEC OFFICE AND CONTACT PERSON: SAN ANTONIO, TX

DO YOU HAVE SOURCES? YES [ ] NO [X]

REPORT TYPE/PRIORITY

- [X] PROBLEM/ERROR
- [ ] SUGGESTED ENHANCEMENT
- [ ] OTHER

1. [ ] HEAVY SYSTEM IMPACT
2. [X] MODERATE SYSTEM IMPACT
3. [ ] MINOR SYSTEM IMPACT
4. [ ] NO SIGNIFICANT IMPACT
5. [ ] DOCUMENTATION/SUGGESTION

SUBMITTED BY: HQ ESC
PHONE: AV 945-2285

CAN THE PROBLEM BE REPRODUCED AT WILL? YES [X] NO [ ]

ATTACHMENTS
MAG TAPE [ ] FLOPPY DISKS [ ] LISTING [X] DECTAPE [ ]
OTHER:

COULD THIS SPR HAVE BEEN PREVENTED BY BETTER OR MORE DOCUMENTATION? PLEASE EXPLAIN IN PROVIDED SPACE BELOW. YES [ ] NO [X]

CPU TYPE	SERIAL NO.	MEMORY SIZE	DISTRIBUTION MEDIUM	SYSTEM DEVICE	DO NOT PUBLISH
PDP 11/70	7707LE760	512KW	TAPE	N/A	[ ]

ATTEMPTED TO COMPILE ATTACHED PROGRAM USING F77, AND RECEIVED A 'F77--FATAL 10* COMPILER INTERNAL CONSISTENCY CHECK' ERROR. BOTH OF THE FOLLOWING F77 COMMAND LINES WOULD CAUSE THE ERROR TO OCCUR:

(1) 'MCR F77 PART2, PART2/-SP/L1:7=PART2/TR: NONE'

(2) 'MCR F77 PART2, PART2/-SP/L1:7=PART2/-TR'

HOWEVER, THE FOLLOWING COMMAND LINE RETURNED NO ERROR, AND CREATED A GOOD OBJECT:

(1) 'MCR F77 PART2, PART/-SP/L1:7=PART2'

THE TRACE SWITCHES GIVE NO ERROR, OR CAUSE NO ERRORS TO BE RETURNED, ON THE GREAT MAJORITY OUR F77 SOURCE MODULES, THE ATTACHED BEING THE ONLY ONE WE HAVE THAT WILL CAUSE THE COMPILER TO FAIL.

----CyTo: HQ ESC/ADTS
Attn: Capt Edwin Dennis
Kelly AFB
San Antonio, TX 78243

ALL SUBMISSIONS BECOME THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION.

SHORT NAME	MNT. CAT.	MNT. GRP.	XFER GRP.	PL	PRB. TYPE

DATE RECEIVED (MAIL)	DATE TO MAINTAINER	XFER DATE	LOGGED ON

DATE RECEIVED (ARGS)	DATE RECEIVED FROM MAINTAINER	DATE ANSWERED	LOGGED OFF

EN-01044-07-REV1 (35C)

ADMINISTRATIVE SERVICES GROUP, SWS

DEPARTMENT OF THE AIR FORCE
HEADQUARTERS AIR FORCE INTELLIGENCE SERVICE
BOLLING AFB, DC 20332

REPLY TO ATTN OF: INDO

10 Aug 1984

SUBJECT: Software Performance Report (SPR)

TO: INCO, Inc.
IPAC, Box 38 (SM-3)
Camp Smith, HI 96861
Attn: Mr. Michael Scott Ward

1. The attached documents are Digital Equipment Corporation's response to problems with IAS 3.1 Peripheral Interchange Program (PIP) experienced at your site.

2. Please direct questions related to this SPR to Lt Ron Fussell, or TSgt Harvey Standfield, INDOD, (202) 767-4518, AV 297-4518.

JAMES D. SONNEBORN, Maj, USAF
Acting Ch, Ops & Development Div
Directorate of Intel Data Mgt

1. Atch
PIP SPR Response

Cy to:
Administrative Services Group, SWS
P.O. Box F
Maynard, MA 01754

Ontario Hydro
Attn: Mr. John W. Drummond
700 University Ave
Toronto, Canada
Canada, MSG-1X6
Mail Stop MZE10

DSM, Hoofdkantoor
Postbus 65, 6400 AB Heerlen
☎ (045)

DSM

Mr. Drummond

Ontario Hydro
700 University Avenue
Toronto, Ontario
CANADA, M5G 1X6

uw brief van	uw referentie	onze referentie	Heerlen,
			5th november 1984

Dear Mr. Drummond,

Herewith I send you a copy of the latest SPR's that we have submitted to DEC. The bug in NETACP can be zapped in the task image using the information provided in the enclosed listing.

Since IAS DECNET v3.0 has been released quite some time ago, I had suspected that simple bugs like this one would have been discovered and already solved in one of the autopatches E or F. As this is not the case I wonder whether IAS DECNET v3.0 is a commonly used product. From the information I got from the scarce IAS-users in Europe on the latest DECUS Europe Symposium, I learned that DSM Limburg BV is probably the only user in Europe. It would be very welcome to know how the situation is in Northern America. Furthermore I discovered that the DECNET SPR's are not answered within a reasonable time-limit. Our first SPR's date from March '84 and still are not answered. I am very anxious to know whether other users have had the same experience with their SPR's.

I do not know if you can provide me with all of the information. If you can I would be very grateful. If not perhaps a publication of this letter in the next DEVIAS-news letter can be of help to me.

Sincerely,

J.L.C. Plasman

Afd. Systeem Technieken Ms1
DSM Limburg BV
Postbus 600
6160 MJ Geleen (NL)

PLEASE READ ATTACHED INSTRUCTIONS

PLEASE TYPE

digital

SOFTWARE PERFORMANCE REPORT

FIELD NO.:	CORPORATE SPR NO.:

910713

TO SET UP FOR PROPER ALIGNMENT, START AT MARK BELOW.

PAGE ____ OF ____

OPERATING SYSTEM	VERSION	SYSTEM PROGRAM OR DOCUMENT TITLE	VERSION OR DOCUMENT PART NO.	DATE
[IAS	v3.1	EXEC	v3.0	30.10.84

NAME: J.L.C. Plasman
FIRM: DSM Limburg BV
Afd. Systeem Technieken Ms1
Postbus 600
ADDRESS: 6160 MJ Geleen
CUST. NO.:

DEC OFFICE AND CONTACT PERSON

DO YOU HAVE SOURCES? YES [X] NO [ ]

REPORT TYPE/PRIORITY

- [X] PROBLEM/ERROR
- [ ] SUGGESTED ENHANCEMENT
- [ ] OTHER

1. [ ] HEAVY SYSTEM IMPACT
2. [ ] MODERATE SYSTEM IMPACT
3. [X] MINOR SYSTEM IMPACT
4. [ ] NO SIGNIFICANT IMPACT
5. [ ] DOCUMENTATION/SUGGESTIO

SUBMITTED BY: H. Plasman
PHONE: 04494-66755

CAN THE PROBLEM BE REPRODUCED AT WILL? YES [X] NO [ ]

ATTACHMENTS
MAG TAPE [ ] FLOPPY DISKS [ ] LISTING [ ] DECTAPE [ ]
OTHER:

COULD THIS SPR HAVE BEEN PREVENTED BY BETTER OR MORE DOCUMENTATION? PLEASE EXPLAIN IN PROVIDED SPACE BELOW. YES [ ] NO [ ]

CPU TYPE	SERIAL NO.	MEMORY SIZE	DISTRIBUTION MEDIUM	SYSTEM DEVICE	DO NOT PUBLISH
PDP11/44	19665	256 K	Magn. tape	RK07	[ ]

Problem description

At one point in the clock tick recognition routine in EXEC module six, the ATL is scanned when there are tasks in a waiting for nodes state. In this scan only offset A.TS in the ATL is tested. However it is necessary to test A.CS as well because the task in the waiting for nodes state can be checkpointed, at the time of this scan.

SHORT NAME	MNT. CAT.	MNT. GRP.	XFER GRP.	PL	PRB. TYPE

DATE RECEIVED (MAIL)	DATE TO MAINTAINER	XFER DATE	LOGGED ON

DATE RECEIVED (ASG)	DATE RECEIVED FROM MAINTAINER	DATE ANSWERED	LOGGED OFF

PLEASE READ ATTACHED INSTRUCTIONS

PLEASE TYPE

909482

digital

SOFTWARE PERFORMANCE REPORT

FIELD NO.:	CORPORATE SPR NO.:

TO SET UP FOR PROPER ALIGNMENT, START AT MARK BELOW.

PAGE ____ OF ____

OPERATING SYSTEM	VERSION	SYSTEM PROGRAM OR DOCUMENT TITLE	VERSION OR DOCUMENT PART NO.	DATE
[IAS	3.1.	DECNET	v3.0	30.10.84

NAME: J.L.C. Plasman
FIRM: DSM Limburg BV
Afd. Systeem Technieken Ms1
Postbus 600
ADDRESS: 6160 MJ Geleen
CUST. NO.:

DEC OFFICE AND CONTACT PERSON

DO YOU HAVE SOURCES? YES [ ] NO [X]

REPORT TYPE/PRIORITY

- [X] PROBLEM/ERROR
- [ ] SUGGESTED ENHANCEMENT
- [ ] OTHER

1. [X] HEAVY SYSTEM IMPACT
2. [ ] MODERATE SYSTEM IMPACT
3. [ ] MINOR SYSTEM IMPACT
4. [ ] NO SIGNIFICANT IMPACT
5. [ ] DOCUMENTATION/SUGGESTION

SUBMITTED BY: H. Plasman
PHONE: 00494-66755

CAN THE PROBLEM BE REPRODUCED AT WILL? YES [X] NO [ ]

ATTACHMENTS
MAG TAPE [ ] FLOPPY DISKS [ ] LISTING [X] DECTAPE [ ]
OTHER:

COULD THIS SPR HAVE BEEN PREVENTED BY BETTER OR MORE DOCUMENTATION? PLEASE EXPLAIN IN PROVIDED SPACE BELOW. YES [ ] NO [ ]

CPU TYPE	SERIAL NO.	MEMORY SIZE	DISTRIBUTION MEDIUM	SYSTEM DEVICE	DO NOT PUBLISH
PDP11/44	19665	256K	Magn. tape	RK07	[ ]

Problem description

Bug in NETACP.

The NETACP task causes system crashes because of a mixe-up of two lines of coding in module NSCMN.

Under certain circumstances the contents of R4 at the entry of this module is seen as the return address on exit of this module. This can cause all kinds of problems varying from an immediate system-crash to a delayed systemcrash caused by corruption of systemcode.

The corrected code of module NSCMN is enclosed. Lines 2 and 3 are interchanged.

Note: When the NETACP task image is zapped, the offset in Line 1 should also be corrected.

SHORT NAME	MNT. CAT.	MNT. GRP.	XFER GRP.	PL	PRB. TYPE
DATE RECEIVED (MAIL)		DATE TO MAINTAINER	XFER DATE	LOGGED ON	
DATE RECEIVED (ASG)		DATE RECEIVED FROM MAINTAINER	DATE ANSWERED	LOGGED OFF	

```
 1                                                      .TITLE  NSCMN
 2                                                      .IDENT  /V01.00/
 3 000000                                               .ASECT
 4                                                      .GLOBL  R.AT
 5                                                      .GLOBL  $WSPC
 6 000000                                               .PSECT
 7 000000                                               .PSECT  NSCMN
 8                                                      .GLOBL  $FDCCB
 9 000000                                               .PSECT  NSCMN
10 000000  010446                          $FDCCB:     MOV     R4,-(SP)
11 000002  062705  000012                              ADD      12,R5
12 000006  010504                                      MOV     R5,R4
13 000010  011502                          E00010:     MOV     (R5),R2
14 000012  001415                                      BEQ     E00050
15 000014  020267  000000G                             CMP     R2,$WSPC
16 000020  001015                                      BNE     E00054
17 000022  026162  000000G 000004                      CMP     R.AT(R1),4(R2)
18 000030  001011                                      BNE     E00054
19 000032  011215                                      MOV     (R2),(R5)
20 000034  001002                                      BNE     E00042
21 000036  010564  000002                              MOV     R5,2(R4)
22 000042  010205                          E00042:     MOV     R2,R5
23 000044  005727  000261                  E00046:     TST      261
24         000046'                         E00050=     E00046+2
25 000050  012604                                      MOV     (SP)+,R4
26 000052  000207                                      RETURN
27 000054  010205                          E00054:     MOV     R2,R5
28 000056  000754                                      BR      E00010
29         000001                                      .END
```

(1) (2) (3)

PLEASE READ ATTACHED INSTRUCTIONS

PLEASE TYPE

digital

SOFTWARE PERFORMANCE REPORT

FIELD NO.:	CORPORATE SPR NO.:
	913622

✓ TO SET UP FOR PROPER ALIGNMENT, START AT MARK BELOW.

PAGE ____ OF ____

OPERATING SYSTEM	VERSION	SYSTEM PROGRAM OR DOCUMENT TITLE	VERSION OR DOCUMENT PART NO.	DATE
[IAS	v3.1	DECNET	v3.0	30.10.84

NAME: J.L.C. Plasman
FIRM: DSM Limburg BV
Afd. Systeem Technieken Ms1
Postbus 600
ADDRESS: 6160 MJ Geleen
CUST. NO.:

DEC OFFICE AND CONTACT PERSON

DO YOU HAVE SOURCES? YES [ ] NO [X]

REPORT TYPE/PRIORITY

- [X] PROBLEM/ERROR
- [ ] SUGGESTED ENHANCEMENT
- [ ] OTHER

1. [ ] HEAVY SYSTEM IMPACT
2. [X] MODERATE SYSTEM IMPACT
3. [ ] MINOR SYSTEM IMPACT
4. [ ] NO SIGNIFICANT IMPACT
5. [ ] DOCUMENTATION/SUGGESTION

SUBMITTED BY: H. Plasman PHONE: 04494-66755

CAN THE PROBLEM BE REPRODUCED AT WILL? YES [X] NO [ ]

ATTACHMENTS
MAG TAPE [ ] FLOPPY DISKS [ ] LISTING [ ] DECTAPE [ ]
OTHER:

COULD THIS SPR HAVE BEEN PREVENTED BY BETTER OR MORE DOCUMENTATION? PLEASE EXPLAIN IN PROVIDED SPACE BELOW. YES [ ] NO [ ]

CPU TYPE	SERIAL NO.	MEMORY SIZE	DISTRIBUTION MEDIUM	SYSTEM DEVICE	DO NOT PUBLISH
PDP11/44	19665	256K	Magn. tape	RK07	[ ]

Problem description

We have established a 1 Mb DMC-DMC (type DMC11-MA) connection between two IAS-multi-user systems. It proves to be very hard to get the line in the on-state.
Mostly we get the following error message:

```
 Event type 4.12, Line initialization failure - software fault
 LINE Occurred DATE TIME on node X (NAME)
Line DMC-0
 Packet header = 0 0 0 0
 Unexpected packet type
```

Dis- and reconnecting the physical link and/or using NCP to set the line state off and on, seems to be the only method to get the line in the on-state.

Question:
Could you provide us with software which is able to get the line in the on-state at once.

ALL SUBMISSIONS BECOME THE PROPERTY OF DIGITAL EQUIPMENT CORPORATION.

SHORT NAME	MNT. CAT.	MNT. GRP.	XFER GRP.	PL	PRB. TYPE
DATE RECEIVED (MAIL)		DATE TO MAINTAINER	XFER DATE	LOGGED ON	
DATE RECEIVED (ASG)		DATE RECEIVED FROM MAINTAINER	DATE ANSWERED	LOGGED OFF	

EN-01044-07-REVI (35C)

PLEASE READ ATTACHED INSTRUCTIONS

PLEASE TYPE

digital SOFTWARE PERFORMANCE REPORT

FIELD NO.:	CORPORATE SPR NO.:
	917522

TO SET UP FOR PROPER ALIGNMENT, START AT MARK BELOW.

PAGE ____ OF____

OPERATING SYSTEM	VERSION	SYSTEM PROGRAM OR DOCUMENT TITLE	VERSION OR DOCUMENT PART NO.	DATE
IAS	v3.1.	DECNET	v3.0	30.10.84

NAME: J.L.C. Plasman
FIRM: DSM Limburg BV
Afd. Systeem Technieken Ms1
Postbus 600
ADDRESS: 6160 MJ Geleen
CUST. NO.:

DEC OFFICE AND CONTACT PERSON

DO YOU HAVE SOURCES? YES [ ] NO [X]

REPORT TYPE/PRIORITY

- [X] PROBLEM/ERROR
- [ ] SUGGESTED ENHANCEMENT
- [ ] OTHER

1. [ ] HEAVY SYSTEM IMPACT
2. [ ] MODERATE SYSTEM IMPACT
3. [X] MINOR SYSTEM IMPACT
4. [ ] NO SIGNIFICANT IMPACT
5. [ ] DOCUMENTATION/SUGGESTIO

SUBMITTED BY: H. Plasman
PHONE: 04494-66755

CAN THE PROBLEM BE REPRODUCED AT WILL? YES [X] NO [ ]

ATTACHMENTS
MAG TAPE [X] FLOPPY DISKS [ ] LISTING [ ] DECTAPE [ ]
OTHER:

COULD THIS SPR HAVE BEEN PREVENTED BY BETTER OR MORE DOCUMENTATION? PLEASE EXPLAIN IN PROVIDED SPACE BELOW. YES [ ] NO [ ]

CPU TYPE	SERIAL NO.	MEMORY SIZE	DISTRIBUTION MEDIUM	SYSTEM DEVICE	DO NOT PUBLISH
PDP11/44	19665	256K	Magn. tape	RK07	[ ]

Problem description

Problem with Down Line loading task (DLL.TSK).

When we down-line load a 16K RSX11S system over a 9600 baud line and use the generated DLL.TSK, the down-line load takes about 3 minutes. This is 5 to 6 times slower as it was under DECNET v2.1.

We tried to improve the performance of the DLL task by increasing global parameter $LTXMS from 4 to 10. THis however caused the error:

NCP -- Load failed, line protocol error.

No improvement was gained by lowering global $LTXTM from 50 to 5.

Question:
Can you provide an error-free method to get the performance of the down-line load procedure back at v2.1 level.

SHORT NAME	MNT. CAT.	MNT. GRP.	XFER GRP.	PL	PRB. TYPE

DATE RECEIVED (MAIL)	DATE TO MAINTAINER	XFER DATE	LOGGED ON

DATE RECEIVED (ASG)	DATE RECEIVED FROM MAINTAINER	DATE ANSWERED	LOGGED OFF

EN-01[illegible]-[illegible]-35C)

DEPARTMENT OF THE AIR FORCE
HEADQUARTERS AIR FORCE INTELLIGENCE SERVICE
BOLLING AFB, DC 20332

8 DEC

REPLY TO ATTN OF: INDO

SUBJECT: Software Performance Report (SPR)

TO: Administrative Service Group (SWS)
Box F
Maynard, MA 01754

1. Problems were recently encountered at a supported site with DSC under IAS V3.1. An SPR detailing the problem is attached.

2. Please direct questions to Lt Ron Fussell or TSgt Harvey Stanfield, (202) 767-4518.

CHARLES R. BRUMMUND, Lt Col, USAF
Ch, Operations & Development Division
Directorate, Intel Data Management

Atch
SPR dated 28 Nov 84

Cy to: Hq USAFE/SIII
APO NY, NY 09633
Attn: Lt J. Muysenberg

Ontario Hydro
Attn: Mr. John Drummond
700 University Ave
Toronto, Canada
Canada, M5G 1X6
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PLEASE READ ATTACHED INSTRUCTIONS

digital **SOFTWARE PERFORMANCE REPORT**

FIELD NO.: | CORPORATE SPR NO.: 817303

TO SET UP FOR PROPER ALIGNMENT, START AT MARK BELOW. PAGE ____ OF ____

OPERATING SYSTEM	VERSION	SYSTEM PROGRAM OR DOCUMENT TITLE	VERSION OR DOCUMENT PART NO.	DATE
IAS	3.1	DSC	X0036	28Nov84

NAME: Ronald B. Fussell, Lt, USAF
FIRM:
ADDRESS: AFIS/INDOD
Bolling AFB, Bldg 520
Washington, DC 20332
CUST. NO.: 8305 4234J

DEC OFFICE AND CONTACT PERSON: Landover, Md

DO YOU HAVE SOURCES? YES [ ] NO [X]

REPORT TYPE/PRIORITY

- [X] PROBLEM/ERROR
- [ ] SUGGESTED ENHANCEMENT
- [ ] OTHER

1. [ ] HEAVY SYSTEM IMPACT
2. [X] MODERATE SYSTEM IMPACT
3. [ ] MINOR SYSTEM IMPACT
4. [ ] NO SIGNIFICANT IMPACT
5. [ ] DOCUMENTATION/SUGGESTION

SUBMITTED BY: Charles Moose PHONE: AV339-3653

CAN THE PROBLEM BE REPRODUCED AT WILL? YES [X] NO [ ]

ATTACHMENTS
MAG TAPE [ ] FLOPPY DISKS [ ] LISTING [ ] DECTAPE [ ]
OTHER:

COULD THIS SPR HAVE BEEN PREVENTED BY BETTER OR MORE DOCUMENTATION? PLEASE EXPLAIN IN PROVIDED SPACE BELOW. YES [ ] NO [X]

CPU TYPE	SERIAL NO.	MEMORY SIZE	DISTRIBUTION MEDIUM	SYSTEM DEVICE	DO NOT PUBLISH
11/70 NI	80021395K	0.5MB		BR1538D	[ ]

PROBLEM: Error reports from DSC identify the wrong block.

DSC reports the virtual block number of blocks with parity errors. We were not aware that this is not the location of the block in error, but the block at the beginning of the string of blocks read into the buffer when a parity error was discovered somewhere in the string. When VFY is run on the same pack, it shows and error "STARTING AT", giving the location of the block with the problem. DSC should do the same. We have sometimes dumped and verified the reported blocks, found them to be identical on the source and target packs, and used the target pack. Suggestion for permanent fix: DSC should be fixed to report the correct block.

Copy to: HQ USAFE/SIII
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Canada, M5G 1X6
Attn: Mr. John Drummond
Mail Stop MZF10

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SHORT NAME	MNT. CAT.	MNT. GRP.	XFER GRP.	PL	PRB. TYPE
DATE RECEIVED (MAIL)		DATE TO MAINTAINER	XFER DATE	LOGGED ON	
DATE RECEIVED (ASG)		DATE RECEIVED FROM MAINTAINER	DATE ANSWERED	LOGGED OFF	

EN-01044-07-REV1 (35C)

ADMINISTRATIVE SERVICES GROUP, SWS

READING AND WRITING FILE HEADER INFORMATION

The other day Dan came up to me and said, "I have a problem. I want to read and write sections of the file header using the IO.RAT and IO.WAT function codes, but I can't find documentation anywhere on how to do it. I found this example in a piece of code, but for the life of me, I can't find any documentation about what it means. I figured out that this code reads the entire file header into BUFFER and reads the statistic block into STBUFF, but I have no idea what .BYTE -12,0 and .BYTE -11,12 mean."

```
RDATT:  QIOW$   IO.RAT,2,1,,IOSTAT,,<ATTFDB+F.FNB+N.FID,RDATL>
RDATL:  .BYTE   -12,0
        .WORD   BUFFER
        .BYTE   -11,12
        .WORD   STBUFF
        .WORD   0
```

Dan had run afoul of a problem that often exists with Files-11 IO functions, the I/O Operations manual just doesn't tell you enough, and there are not enough examples to give you help. In Dan's case, the IO.RAT and IO.WAT functions are just not documented anywhere. Some years ago when Larry had to use these functions, he extracted the information from ATCTL.MAC, and even that information was fragmentary. If you don't have sources, you're out of luck.

An even better description of just how to use IO.RAT and IO.WAT is contained in Ralph Stammerjohn's 1980 treatis on ACP's "UP YOUR ACP". (Available on the SIG tapes.) Since Ralph was running 11M systems, he had sources for F11ACP and was able to write a very clear description of their use.

Ralph's text follows.

Reading and writing File Attributes

IO.RAT Read Attributes

1 - File ID pointer (optional if file already accessed).
2 - Read attribute control list.

IO.WAT Write Attributes

1 - File ID pointer (optional if file aready accessed).
2 - Write attribute control list.

Parameter Word 1 - FID Pointer

This word contains the address of the file ID block. The file ID block has the following format:

File Number
File Sequence Number
Reserved

The file number is used by F11ACP as an index to the file header block in the index file. The file sequence number is used to maintain header integrity. Each time a header block is used for a new file, the file sequence number is incremented. The final word has no current meaning.

Parameter Word 2 - Attribute List Pointer

This word contains the address of an attribute list in the issuing task's space. This list controls which file attributes are to be read or written by F11ACP. If no attribute list is specified, the word is zero.

File attributes are various fields in the file header. These fields are documented in Appendix F of the IAS/RSX-11 I/O Operations Reference Manual (AA-2515C-TC).

An attribute list consists of zero to six attribute entries, followed by a byte of zero. Each attribute entry has

the following format:

```
.BYTE   <Attribute type>,<N>
.WORD   <Pointer to 'N' byte buffer>
```

The sign of the attribute type determines the direction of the operation. If the attribute type is negative, the attribute is read from the file header to the buffer. If the attribute type is positive, the buffer is written to the file header as the new attribute. The magnitude of the attribute type and size of the buffer determine which fields in the file header will be accessed. The following table lists all valid read attribute types, valid buffer sizes, and the starting offset in the file header. To write the attribute, make the sign of the attribute type positive.

-01,02 Read file owner UIC (H.FOWN). The UIC is a binary word. The low byte (H.PROG) is the owner number. The high byte (H.PROJ) is the group number. Note that the file owner UIC is independent of the directory UIC.

-01,04 Read file owner UIC, protection (H.FOWN). The UIC is returned as described above. The second word is set to the file protection code (see attribute -02,02).

-01,05 Read file owner UIC, protection, characteristics (H.FOWN). The UIC and protection are returned as described above. The fifth byte is set to the user-controlled characterics (see attribute -03,01).

-02,02 Read protection (H.FPRO). The file protection word is a bit mask with the following format:

```
Bit 15       12 11        8 7         4 3         0
   |----------|-----------|-----------|----------|
   |   World  |   Group   |   Owner   |  System  |
   |----------|-----------|-----------|----------|
```

Each of the four categories above has four bits. Each bit has the following meaning with respect to file access:

```
Bit      3          2          1          0

   |----------|----------|----------|----------|
   |  Delete  |  Extend  |  Write   |  Read    |
   |----------|----------|----------|----------|
```

A bit value of zero (0) indicates the respective type of access is allowed to the file. A bit value of one (1) indicates access is denied.

-02,03 Read protection, characteristics (H.FPRO). The protection is returned as described above. The third byte is set to the user-controlled characteristics (see attribute -03,01).

-03,01 Read characteristics (H.UCHA). The user characteristics is a one byte field containing various bit definitions. The current bits defined are listed below:

UC.CON = 200 Logically continuous file. When the file is extended, this bit is cleared.

UC.DLK = 100 File improperly closed. When ever the file is opened for write, this bit is set. It is not cleared until the file is closed (deaccessed). This is the famous lock bit.

In addition to the user-controlled characteristics, the next byte in the header is the system-controlled characteristics. This byte cannot be accessed by an attribute field. The current bits defined in this byte are listed below:

SC.MDL = 200 File marked for delete.

SC.BAD = 100 Bad data block in file.

-04,40 Read record I/O area (U.UFAT). The first 7 words of this area are a direct copy of the first 7 words of the FDB when the file is opened (see Table A-1, I/O Operations Reference Manual, offsets F.RTYP to F.FFBY). The remaining 9 words of this area are not used. I do not know how this area is defined in the case of RMS-11.

-05,06 Read filename (I.FNAM). The filename is stored as nine (9) RAD50 characters.

-05,10 Read filename, type (I.FNAM). The filename is returned as described above. The type is returned to the fourth word (see attribute -06,02).

-05,12 Read filename, type, version (I.FNAM). The

filename and type are returned as described above. The version is returned to the fifth word (see attribute -07,02).

-06,02 Read type (I.FTYP). The type is stored as three (3) RAD50 characters.

-06,04 Read type, version (I.FTYP). The type is returned as decsribed above. The version is returned to the second word (see attribute -07,02).

-07,02 Read version (I.FVER). The version is stored as a binary number.

NOTE

The filename, type, and version are set when the file is created. If the file is renamed by PIP, these fields are not changed.

-10,07 Read expiration date (I.EXDT). The expiration date is intended to be the time the file becomes eligible for deletion. This feature is not implemented. The date is kept in ASCII form in the format day, month, and year (2 bytes, 3 bytes, and 2 bytes).

-11,12 Read statistics block. The statistics block is defined in Appendix H of the I/O reference manual. No specific fields exist in the file header for this attribute. Therefore, it cannot be written.

-12,00 Read entire file header. The buffer size is assumed to be 1000(8) bytes. This attribute has no corresponding write function.

-13,02 Read block size (ANSI labelled tape only). The block size is returned as a positive 16-bit number

-14,xx Read user label (ANSI labelled tape only). This attribute allows access to the user label on an ANSI standard tape. "xx" is the length of the label (maximum 80). If the function is a read, user header labels are read if a file is accessed. If no file is accessed, user trailer labels are read. If the function is a write, user header labels are written during a create. User trailer labels are written during a deaccess.

-15,xx Read complete date information (disk files only).

This attribute allows the revison, creation, and expiration dates to be read. Dates are stored and returned in the format day (2 bytes), month (3 bytes), and year since 1900 (2 bytes). Times are stored and returned in the format hours (2 bytes), minutes (2 bytes), and seconds (2 bytes). "xx" bytes of time/day information are returned in the following format:

00-01	Revision number. This number is incremented each time the file is closed after being opened for output.
02-10	Revision date.
11-16	Revison time.
17-25	Creation date.
26-33	Creation time.
33-42	Expiration date.

+16,16 Allocation control (disk files only). Used for file placement control, currently by RMS only. Processed only by create or write (i.e., write attribute only).

The magitude of the attribute type determines the maximum valid buffer size. Any smaller size is legal. The sizes listed above are sufficient to handle the named attributes. The largest size for each attribute is also the largest buffer allowed.

Questions & Answer Session from the Product Panel Session at the 1984 Fall Symposium at Anaheim

Following is the question and answer session from the IAS Product Panel session at the Fall Symposium at Anaheim, held on December 10, 1984. I have transcribed the talk from the tape recording as best as I could. The session was led by Norm Booth, the IAS Product Manager, and Michael Reilly, the IAS Product Development Manager. The session started with discussions by Norm and Mike on features of IAS, concentrating on new features of V3.2. Much of these discussions have been reported in earlier issues of the DeVIAS Letter (such as the 3.2 release notes). Therefore, I did not transcribe them.

In the following, I have indicated the questions as best I could. Sometimes it was difficult because the questioners did not use the microphone. I have inserted several comments delimited by brackets. On the answers I have indicated whether Norm Booth or Mike Reilly answered the question. First, some discussion from Norm:

(Booth) Lets find out where 3.2 is. As you know we concluded our field test the 24th of August and are at this time concluding the verification procedures. After that has been concluded we will package a final version for SDC and send out a final pre-SDC field test version. This is basically where we are at with 3.2.

Questions:

Q: How long will it be now?
A: (Reilly) Validation will probably done the week after we get back (if there are no problems). SDC has promised a 4 to 6 week turnaround time. This will then be late January or early February.

Q: How come the F77 debug facility has taken so long?
A: (Reilly) We have decided that because of the differences between the RSX version and the IAS version that we require further testing. RSX has found problems with the F77 debug facility and we are trying to assess that impact on IAS. So rather than go out with what we feel is a premature product we are going to subject it to further testing.

Q: What is the problem with UDA50 support?
A: (Reilly) Well, you've heard mention that we have put UDA support in 3.2. Initially if you look at the UDA, its just another disk controller, until you look at it closely and you find out that it is an intelligent controller which in some cases tries to outguess the person programming it. What it amounts to is that it is extremely complex to provide the full UDA functionality.

Full UDA functionality includes automatic bad block revectoring which means that when you first receive an RA series disk or first receive an RA60 pack you run the BAD program on it and it identifies bad blocks on it and instead of marking them as bad, it finds another good block to replace it with and then as the system runs we use the replacement block. All of the bad block replacement functionality has to be handled in the software. The hardware simply informs you that it has found a bad block. A lot of the information needed to program the UDA to make the bad block functionality work correctly is not widely available. We had to send our engineer to Colorado Springs for several weeks (this is where they make the UDAs). They also have the test facilities there and they have systems there with UDAs for development. So our engineer was out there to make sure that when you receive the bad block replacement utility that it functions as it should. One of the reasons we are worried about it is, and I have heard from some people that it has happened to them already, if the bad block replacement utility makes one mistake, it is possible that it will wipe out the entire contents of the disk. Now if you have an RA81 with 400 and some megabytes and fairly full with your data base, you don't want to try to write something to it and find that it has suddenly reinitialized nothing on the disk. Again, some people have told us that they have been caught by this already. We are not going to let it go until we are absolutely sure. There are validation procedures and we have ways of examining the disk block by block to make sure that everything works. Thats what takes so long. Most everything else has been done for quite a while. It is the UDA which has given us many more headaches that we had expected.

Q: What about UDA performance?
A: (Reilly) We have found that because of the way that the controller works, its throughput depends on the system load. If you have a heavy load with a lot of random seeks on the disk, then the UDA appears to run as fast as any other disk, the Massbus disks on the 70 specifically. Because it is a Unibus peripheral it is simply that the Unibus does not have the bandwidth. We have continually kept an eye on our software for it [performance] and have made modifications where necessary. We believe we have pushed the disk to the limits it can be pushed to. Its just that the Unibus has a slightly lower bandwidth so if you are doing single transfers it may appear to be a bit slower. Again, as the system gets more heavily used, and it begins to get optimized somewhat, it performs as well as any of the Massbus peripherals.

That reminds me, if you are running any of the RA series disks, you want to make absolutely sure that Field Service has installed all of the necessary modifications. There are some modifications that if not installed could affect performance. So if you have contract with Field Service, remind them that the disk should be brought up to latest ECO status. If not, work out arrangements

with Field Service.

Q: What about support for the TU81?
A: (Booth) What about it? Very possibly. What I suggust that you do is fill out a WHIMs form and indicate that you would like to see that support and we will have a response for you in a relativly short period of time. The odds are good.

Q: Will IAS 3.2 fix any known problems with 3.1?
A: (Booth) Yes, as a matter of fact it should fix all of the known problems with 3.1, all problems that have been notified to us.

Q: Is there a list of problems which have been found?
A: (Reilly) We don't have a list. For each change we produce a document which describes it.
(Booth) What you should do is look at the dispatch. In each issue of the dispatch it lists the fixes made to the operating system. If you are aware of somthing which we are not aware of, please identify that to us.

Q: At one point in time you were going to publish a list of all layered products (unsupported and supported layered products).
A: (Booth) We are currently working on a cross-referenced list of supported products (unsupported is a little more difficult). I'm hoping to get that into the DeVIAS Newsletter and into the dispatch within a month or two.

Q: What about the IAS System logic manual?
A: (Booth) Come to the WHIMS session. That has been identified time and time again. I have looked at the RSX logic manual and we have kind of identified what it would take to produce an IAS specific logic manual. Come to the WHIMs session and we will have some response.

Q: Has the magtape handler been fixed so it does not go out and grab 8 UMRs when it starts?
A: (Reilly) TU10? MM doesn't, only MT does it. I believe that was something that was scheduled to be done in the update.

Q: There were problems with the MMs in that if you pushed it offline and then online again that it would not recover. It was identified in an SPR.
A: (Reilly). There were published patches to the TU16 handler for 3.1 which corrected all of the online/offline problems.

Q: How about Pro-350 support?
A: (Booth) I don't have an announcement today regarding Pro-350 support. However, we have played around somewhat with a 10 megabyte disk trying to get IAS down to that size. Its informal, nothing to announce in terms of a product. Can we talk to you

offline about that?
(Reilly) Before we get off that, how many people would be interested in that support? [ed. many hands were raised]

Q: Any chance in getting the documentation in machine readable format?
A: (Booth) As a matter of fact that is something we can probably look at. I think we have been doing most of this stuff online. We will consider that. It should be put in the WHIMs to give us a chance to respond to that.
(Reilly) The one question that comes up with that is what do you do with drawings.

Q: What are the odds that there may be RC25 support?
A: (Booth) Every time anyone asks me that I say the odds are good. What I recommend you do is fill out a WHIMs form and let us respond. To look at what is required and respond to it. But the odds are good.

Q: Could you outline your current goals with IAS?
A: (Booth) I can't really talk to you about futures in this session. I'm not really authorized to do that. I can tell you a little bit about what we've done with the excess engineering capacity that we have had. We have had Michael and Ricky working on the UDA problem and going through the verification tests. We have identified devices that we would like to support. We have started to get work done on supporting those devices. We are in a state now where we are in sort of a dual track. The 3.2 product and actually doing things which we would like see happen within the next year. So we are making progress on two levels.

Q: Does that imply the J-11 chip?
A: (Booth) The J-11 chip. I'm glad someone asked me about that. I don't have any formal announcement about the J-11 or the 11/84 today. I recommend that you attend the "New Systems Based on the J-11" session that is going to be in the convention center this afternoon. The 11/84 will be announced at that time. IAS support will be alluded to in that session.
(Reilly) If you miss that session, you can ask us and we will be able to provide most of the same information.

Q: Any standard version of RUNOFF going to be included in this [in 3.2]?
A: (Reilly) There is no DEC standard RUNOFF for the 16 bit machines.

Q: There is one for the VAX, will that moved to the PDP world?
A: (Reilly) I don't know how moveable it is. People who program on VAXes tend to forget that you should still try to conserve memory.

Q: I have some questions on the utilities on 3.2. Since you can set the terminal to echo and maintain lower case, will the utilities accept either upper or lower case? The other one is which indirect command processor is going to come with 3.2. Is it the old IAS version, or is it a subset of 11M+?
A: (Reilly) The one that comes supported with the system is the same one we have been using. We have not had time to validate it [the newer version]. The newer version is probably very close to identical to the one on M and M+ and is on the unsupported UIC. Its the one we use on our system all the time, which is to say it works.

Q: How will the new versions of Datatrieve and RMS be affected by this thing. Will it affect our applications?
A: (Booth) There should not be much of an impact on that. There are some layered product panels this week on Datatrieve. I don't know about RMS. If you stop by after this session I know the product manager for Datatrieve who can get you some information on that.

Q: Any performance monitoring tools?
A: (Booth) I think in the WHIMs, the past WHIMs, there were some suggestions made as how we could implement some performance monitoring tools under 3.2. At the WHIMs session we will have some responses to those. If you are looking at something very specific, take a look at the WHIMs list and if you don't see it there we will be able to spec it out.

Q: How many users on an IAS system? (more or less)
A: (Reilly) It depends on the application. We support 32 terminals. We have seen IAS systems with upwards to 90 people all logged in simultaneously under timeshare, and it still performs. There were some complaints on that system. It took them up to 3 seconds to get the PDS prompt after they had entered their password. It is so application specific its hard to say. There are applications where if you have two people on a machine you can load it down.

Q: How do you get past 32?
A: (Reilly) A single copy of the terminal handler will handle about 48. People have pushed it upwards of that and you start to get a bit tight with the nodes inside the terminal handler. Then you just make a second copy of it. The technique for making a second copy has been in the DeVIAS Newsletter.

Q: I wonder if you could state the policy on how long it takes a telephone responder to respond to telephone questions.
A: (Booth) We like to have the response within 24 hours.
Q: If I call up with a burning question, I can feel comfortable that someone will call me within 24 hours.
A: (Booth) You should be.

Q: Has the TER utility been upgraded to all setable characteristics?
A: (Reilly) It includes all the new ones. As far as I remember we didn't make any of the old ones which were not setable setable, mostly because I don't recall us running across them as being non-setable.
Q: How about automatic carriage return?
A: (Reilly) I've heard about that one recently, but I've never tried to set it. The best way to handle that is if you can get a list of the ones which are not setable and then we will have something to work from. Its fairly easy to add things to TER. The problem is knowing what needs to be added.

Q: Is support still planned for the PDP 11/24?
A: (Booth) Yes, it is in 3.2.
(Reilly) Yes, it runs fine.

Q: Found any 11/73 related problems?
A: (Booth) Any 73 related problems. No we haven't. We are not announcing any support for that at this time.
(Reilly) We don't have a 73 to support. We don't have a 73 processor board at this time. So we haven't looked at it. What I recommend you do is fill out a WHIMs on it.

Q: What about the problem with the DCL command line that gets expanded out so it is too long? Has anything been done to alieviate that?
A: (Reilly) The reason you get the "Command line too long" is not because PDS runs out of room but it has to limit command lines to 132 characters because that is all the other utilities will handle. So it is MAC and TKB and some of the other things which PDS calls which cannot handle the longer command lines. PDS is nice to them and it just strips off the extra characters. If those utilities were updated, many of them we don't own, we just get them from the people who create them. If they would update them to allow longer command lines we could easily handle it.

Q: You mentioned an upgrade to the wild card in PIP. Is this along the lines of question mark with partial file spec?
A: (Reilly) Yes, question mark for partial file spec as well as imbedded asterisk.

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