

Facsimile



To

[REDACTED]

Network Products  
National Facsimile Support C

Company Telecom Portland

23 rd Floor 242 Exhibition St  
Melbourne. 3000

Facsimile 055 236 56

Australia

From

[REDACTED] T

Telephone 03 634 6993  
Facsimile 03 640 0997

Subject COT Case

K01489

Date 29 October 1993

[REDACTED]  
The following pages are copies of my fax machines journal and the protocol printouts of failed calls.

On the date of 28-OCT-93 we were trying to create a line failure condition that would re-produce the same error on the transmitting machine and no record on the receiving Mitsubishi machine (055 267 230). The reason for this was to show that a sending fax machine could get to the point of transmitting a page to the Mitsubishi fax machine without the Mitsubishi machine having any record of the call.

The COT case call in question was the 27-10-93 at 10:46 on the journal (it is suspected that the clock in this machine is approx ~~1 Hour~~ <sup>45-46 MIN</sup> and 15 minutes in error). The duration of the transmitting machine page of 2:21 minutes suggests that the call failed at the end of the page, possibly when requesting a reply from the receiving end. The presence of the ID in the journal of "055 267230" indicates the call was connected to the Mitsubishi fax machine in question. The receiving Machine has no matching entry in its journal for this call.

A call was placed to 055 267230 and connectivity terminated at the beginning of the page but this resulted in an error of NG in the journal along with the ID of the calling fax machine. The only way to reproduce the conditions experienced above was to interrupt the power on the receiving Mitsubishi fax machine. This would result in an entry in the transmitting machine and no entry whatsoever in the receiving Mitsubishi machine.

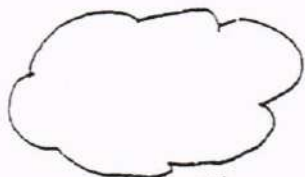
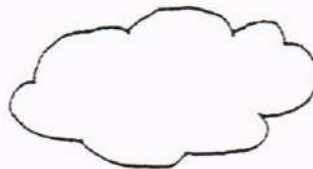
→ During testing the Mitsubishi fax machine, some alarming patterns of behaviour were noted, these affecting both transmission and reception. Even on calls that were not tampered with the fax machine displayed signs of locking up and behaving in a manner not in accordance with the relevant CCITT Group 3 fax rules. A half A4 page being transmitted from this machine resulted in a blank piece of paper 4cm long. the relevant protocol printout in sample #2 shows that the machine sent the correct protocol at the end of the page. Even if the page was sent upside down the time and date and company name should have still appeared on the top of the page, it wasn't. During a received call the machine failed to respond at the end of the page even though it had received the entire page (sample #3). The Mitsubishi fax machine remained in the locked up state for a further 2 minutes after the call had terminated, eventually advancing the page out of the machine.

Regards  
[REDACTED]

Telstra Corporation  
ACN 051 775 556

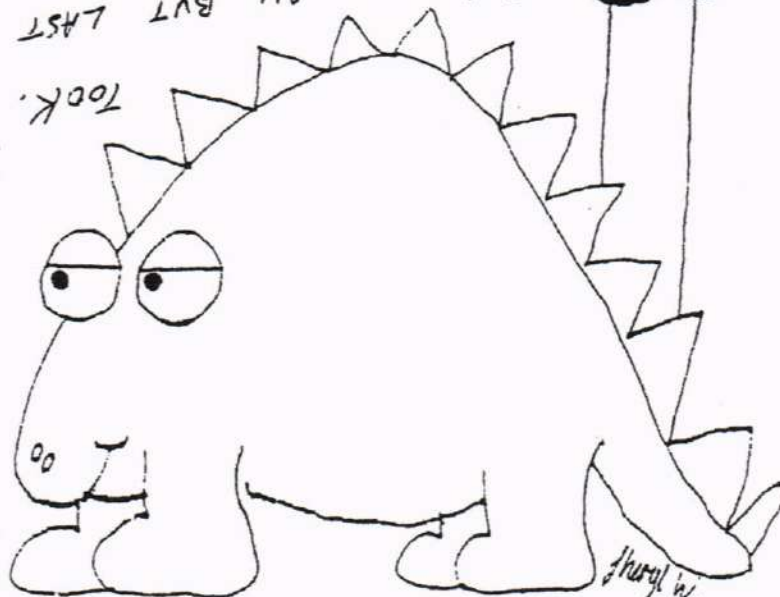
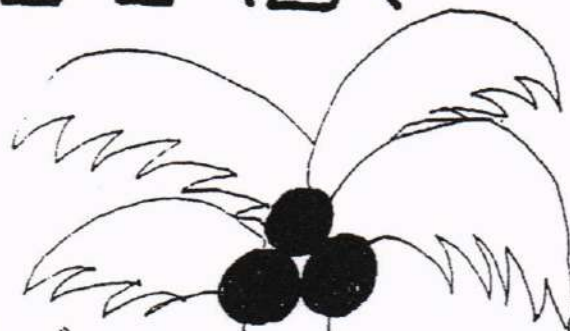
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# TEST FAX



(STORED IN FAX STREAM) ?

FOR APPROX 2 MIN; THEN T...  
RECEIVING FAX; MACHINE SILENT  
DISCONNECTED; THEN SENDING  
PARTY FAX 1...  
ALL BUT LAST 1 1/2" RECEIVED  
THIS FAX 3.11min. TO REGEN  
TOOK.



STOP AREA HERE.

055 267230: # 1

03 6400997-

12:31PM : 28-10-93

SENT BY: 0

No 011

⑦



SAMPLE #2

# PROTOCOL MONITOR

K03752

DATE/TIME  
LOCAL TERMINAL ID.  
LOCAL TERMINAL NAME  
COMPANY LOGO

28-10-93 12:09 PM  
6136400997  
03 6400997  
0

\*\*\* RECEIVE \*\*\*

| No | REMOTE STATION | START TIME        | DURATION | #PAGES | MODE | RESULTS           |
|----|----------------|-------------------|----------|--------|------|-------------------|
| 1  | 055 267230     | 28-10-93 12:06 PM | 1'02"    | 1      |      | COMPLETED<br>9600 |

COM:0      G3S:0      G3R:0      ECM:0      CSI:1      CIG:0  
 CFG:4      RHP:0      LGO:0      THP:1      W/B:74      EGL:08

VERSION: KM1=X01.09 KM2=R01.09 KSP= 02.00 KCP=R04.03

| LAPSE | LOCAL | REMOTE | FCF | FIF  |
|-------|-------|--------|-----|--|
| 2"35  | CEU   | →      |     |  |
| 6"47  | NSF   | →      | 2U  | 00001917C0A0DEC1C081F9D8A4A081010A3739393030343620<br>3330 |
| 7"42  | CSI   | →      | 40  |  |
| 8"18  | DIS   | →      | 80  | 00CEE804   |
| 10"48 |       | ← TSI  | 43  | 303332373632203535302020202020202020                       |
| 11"19 |       | ← DCS  | 83  | 0006A800   |
| 11"47 |       | ← TRN  |     |  |
| 11"69 |       | ← TRN  |     |  |
| 11"69 |       | ← TCF  |     |  |
| 12"96 | *     |        | EQM | 00B3   |
| 13"22 |       | ← TCF  |     |  |
| 14"26 | CFR   | →      | 84  |  |
| 15"59 |       | ← PIX  |     |  |
| 33"03 |       | ← PIX  |     |  |
| 35"58 |       | ← EOP  | 2F  |  |
| 37"21 | MCF   | →      | 3C  |  |
| 38"19 |       | ← DCN  | FB  |  |

*Mitsubishi to my Xerox  
 Received a piece of paper  
 4cm long (blank).  
 XEROX Telecopier 7017*

*Although the page was  
 error-free, it did not  
 terminate correctly &  
 did not have any information  
 on it.*

*Page received*  
 ↓

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EXAMPLE #3

K03751

(10)

# PROTOCOL MONITOR

DATE/TIME  
 LOCAL TERMINAL ID.  
 LOCAL TERMINAL NAME  
 COMPANY LOGO

28-10-93 12:32 PM  
 6136400997  
 03 6400997  
 0

\*\*\* SEND \*\*\*

| No | REMOTE STATION | START TIME        | DURATION | #PAGES | MODE | RESULTS                          |
|----|----------------|-------------------|----------|--------|------|----------------------------------|
| 1  | 055 267230     | 28-10-93 12:30 PM | 0'49"    | 0      |      | COMMUNICATION ERROR<br>9600 E204 |

COM:0 G3S:0 G3R:0 ECM:0 CSI:1 CIG:0  
 CFG:4 RHP:0 LGO:0 THP:1 W/B:74 EQL:08

VERSION: KM1=X01.09 KM2=R01.09 KSP= 02.00 KCP=R04.03

| APSE  | LOCAL | REMOTE   | FCF        | FIF  |
|-------|-------|----------|------------|--|
| 7     |       | ← CED    |            |  |
| 16    |       | ← 2100HZ |            |  |
| 3"35  |       | ← NSF    | 20         | 00000580004EB8000825202020202020202020202020202020 |
| 4"35  |       | ← CSI    | 40         | 20006000180B                                       |
| 5"05  |       | ← DIS    | 80         | 303332373632203535302020202020202020202020         |
| 6"29  | TSI   |          | 43         | 004EB800   |
| 7"05  | DCS   |          | 83         | 0046A800   |
| 7"42  | TRN   |          |            |  |
| 7"57  | TRN   |          |            |  |
| 7"57  | TCF   |          |            |  |
| 9"18  | TCF   |          |            |  |
| 10"56 |       | ← CFR    | 84         |  |
| 10"55 | TRN   |          |            |  |
| 11"10 | TRN   |          |            |  |
| 12"11 | PIX   |          |            |  |
| 32"60 | PIX   |          |            |  |
| 33"88 | EOP   |          | 2F         |  |
| 38"32 | EOP   |          | 2F         |  |
| 42"77 | EOP   |          | 2F         |  |
| 46"18 | *     |          | ERROR 3B10 |  |
| 47"29 | DCN   |          | FB         |  |

Mitsubishi machine failed to respond to valid EOP.  
 MITSUBISHI MACHINE LOCKED UP FOR 2 MINUTES INSTEAD OF TIMING OUT AFTER 9 SECONDS.  
 XEROX Telecopier 7017 -

At Mitsubishi Bill - NG

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