

T.37 OnRamp Faxing

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[Introduction](#)

Esta seção do documento Fax over IP T.37 Store and Forward Fax descreve o armazenamento e o encaminhamento OnRamp de fax. OnRamp T.37 é o processo de aceitar uma chamada de fax, codificar esse fax em um formato Tagged Image File Format (TIFF) e de enviar esse arquivo TIFF para um servidor de e-mail como um anexo.

Este documento contém a configuração necessária para tornar o recurso operacional. A seção [Troubleshoot](#) aborda os comandos **debug** úteis e como interpretar seu significado. A topologia usada é mostrada na seção [Diagrama de Rede](#).

[Prerequisites](#)

[Requirements](#)

Os requisitos específicos para este documento estão especificados na seção principal, [Fax sobre IP T.37 Store e Forward Fax](#).

[Componentes Utilizados](#)

Este documento não se restringe a versões de software e hardware específicas.

The information in this document was created from the devices in a specific lab environment. All of

the devices used in this document started with a cleared (default) configuration. If your network is live, make sure that you understand the potential impact of any command.

Conventions

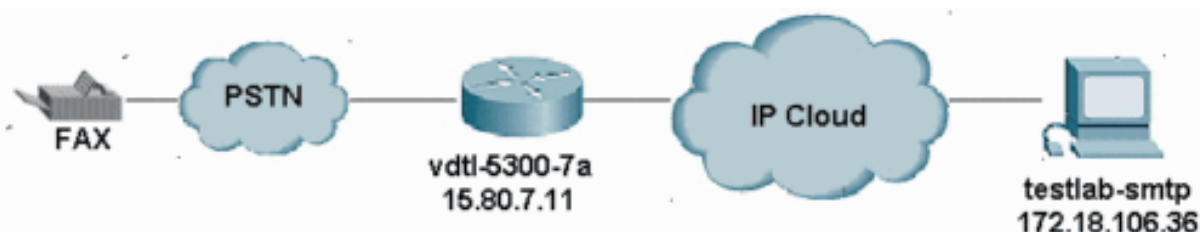
For more information on document conventions, refer to the [Cisco Technical Tips Conventions](#).

Configuração

Nas seções abaixo, primeiro os parâmetros de configuração do Cisco IOS® Software relevantes para a configuração de fax OnRamp são explicados e, em seguida, a configuração 5300 é exibida com mais notas, esclarecendo as funções de comandos importantes. Alguns parâmetros de configuração opcionais podem ser encontrados na seção que segue a configuração 5300.

Diagrama de Rede

Este documento utiliza a instalação de rede mostrada no diagrama abaixo.



Parâmetros de configuração

Parâmetros obrigatórios:	
fax interface-type fax-mail	Ativa a funcionalidade T.37 para o gateway. Requer uma reinicialização no 5300, mas não no 5350 ou 5400.
mta send server	Esse é o nome de host ou o endereço IP do servidor SMTP (Simple Mail Transfer Protocol) pelo qual o roteador enviará o e-mail OnRamp. Sem essa configuração, o roteador não sabe para onde enviar o e-mail OnRamp. Consulte a seção Nenhum servidor configurado para depurações e mensagens de console sem o servidor configurado.
mta send postmaster	Este endereço é usado se as opções mta sent mail-from não avaliarem ou não

	<p>estiverem configuradas. Ele é colocado no campo De e-mail OnRamp. Isso é opcional se mta send mail-from username e mta send mail-from hostname estiverem presentes. Clique aqui para debug mspi para uma chamada com falha.</p>
<p>ip domain-name</p>	<p>Usado para identificar remetente de e-mail na mensagem HELO com hostname.domain-name. O roteador deve ser recarregado depois que esse comando for configurado.</p>
<p>call application voice onramp flash:app libretto onramp.2 .0.1.1.tcl</p>	<p>Define um nome global para o aplicativo (onramp, neste caso) e sua localização (na flash do roteador, neste caso).</p>
<p>dial-peer voice 8913180 pots application onramp</p>	<p>Liga para o aplicativo quando esse peer de discagem é correspondido.</p>
<p>dial-peer voice 1 mmoint application fax on vfc onramp app out-bound</p>	<p>Aplicativo a ser chamado quando esse peer de e-mail sobre IP multimídia (MMoIP) é correspondido. Pré-incluído no software Cisco IOS. Visível através do resumo de voz do aplicativo de chamada.</p>
<p>Parâmetros opcionais:</p>	
<p>mta send mail-from hostname</p>	<p>Este é o nome de host a ser usado no campo De no e-mail OnRamp. Obrigatório se o comando mta send postmaster não estiver presente. Deve ser configurado se mta send mail-from username for usado.</p>
<p>mta send mail-from username</p>	<p>Este é o originador a ser usado no campo De no e-mail OnRamp. Usado em conjunto com mta send mail-from hostname para obter todo o campo From (De), ou seja, username@hostname.</p>

	Obrigatório se o comando mta send postmaster não estiver presente. Deve ser configurado se mta send mail-from hostname for usado.
mta send subject	Sequência de caracteres de texto a ser usada no campo Assunto no e-mail OnRamp.
mta send with-subject	<ul style="list-style-type: none"> • Anexa o número da parte chamadora com a palavra-chave \$s\$. • Anexa o número da parte chamada com a palavra-chave \$d\$. • Anexa o número da parte chamada e da parte chamada com a palavra-chave ambos. Para a exibição de depuração, clique aqui .
mta send return-receive-to	As palavras-chave são nome de usuário e nome de host . Juntos, eles formam a notificação de disposição para:username@hostname.
dial-peer voice number mmoip mdn	Solicita que um e-mail enviado por meio deste peer MMoIP solicite uma notificação de disposição de mensagem (MDN) seja enviado para o destino definido pelo comando mta send return-receive-to .
<i>número de voz de peer de discagem mmoip dsn {delay / sucesso / falha}</i>	Solicita que um aviso de status de entrega (DSN) seja enviado para o destino definido pelo comando mta send mail-from

[Configuração OnRamp](#)

```
vd1-5300-7a# show running-config
Building configuration...
```

```
Current configuration : 2294 bytes
```

```
!
```

```
! Last configuration change at 10:49:16 EST Mon Mar 18 2003
```

```
! NVRAM config last updated at 11:00:42 EST Mon Mar 4 2003
```

```
!  
version 12.2  
service timestamps debug datetime msec localtime  
service timestamps log datetime msec localtime  
no service password-encryption  
!  
hostname vdtl-5300-7a  
!  
!  
resource-pool disable  
clock timezone EST -5  
!  
ip subnet-zero  
ip domain-name testlab-t37.com  
!--- The ip domain-name command is needed so the router sends a fully qualified !--- domain-name  
(FQDN) to the email server.  
  
!--- Router must be reloaded after ip domain-name configuration due to a known bug !--- that has  
since been resolved.  
  
ip name-server 172.18.106.36  
!--- The ip name-server command is required in order to do name resolution.  
  
!  
!  
isdn switch-type primary-5ess  
!  
fax receive called-subscriber 8913180  
fax interface-type fax-mail  
!  
mta send server testlab-smtp.testlab-t37.com port 25  
!--- The mta send server command identifies the email server for OnRamp emails.  
  
!  
mta send subject Fax from On-Ramp GW vdtl-5300-7a  
mta send with-subject both  
mta send postmaster administrator@testlab-t37.com  
!  
!--- The address set with mta send postmaster is used as the "From" address !--- unless mta send  
mail-from commands are defined.  
  
!  
mta send mail-from hostname vdtl-5300-7a.testlab-t37.com  
mta send mail-from username $$  
mta send return-receipt-to hostname testlab-t37.com  
mta send return-receipt-to username admin  
mta receive maximum-recipients 0  
call-history-mib retain-timer 500  
!  
controller T1 0  
framing esf  
clock source line primary  
linecode b8zs  
pri-group timeslots 1-24  
!  
!  
!  
interface Ethernet0  
ip address 15.80.7.11 255.255.255.0  
!  
interface Serial0:23  
no ip address  
isdn switch-type primary-5ess  
isdn incoming-voice modem
```

```

no cdp enable
!
ip classless
ip route 0.0.0.0 0.0.0.0 15.80.7.1
no ip http server
ip pim bidir-enable
!
call rsvp-sync
!
call application voice onramp flash:app_libretto_onramp.2.0.1.1.tcl
!--- This identifies the call application to use. It is named "onramp" in !--- this example.
voice-port 0:D ! mgcp profile default ! dial-peer voice 1 mmoip application
fax_on_vfc_onramp_app out-bound destination-pattern 8913144 information-type fax session target
mailto:$d$d@testlab-t37.com ! !--- The MMoIP peers contain configuration specific to the called
party number. !--- It requests MDN and DSN. It identifies the application to use for the
outbound !--- call leg and specifies the address to which the email will be sent. mdn dsn
success dsn failure ! dial-peer voice 891314 pots application onramp incoming called-number
891314[4-5] direct-inward-dial port 0:D !--- The pots peers for T.37 are no different than for
voice calls with the exception of !--- using the application defined above in the call
application global configuration !--- command. The direct-inward-dial command is required unless
using a redialer.

!
line con 0
exec-timeout 0 0
line aux 0
line vty 0 4
login
!
ntp clock-period 17179806
ntp server 172.18.106.15
end

vdt1-5300-7a#

```

Configuração opcional

Aqui estão alguns parâmetros de configuração opcionais. O primeiro exemplo mostra como configurar várias contas de e-mail usando endereços de e-mail tradicionais, e o segundo exemplo mostra como configurar várias contas de e-mail usando números de parte chamada para endereços de e-mail.

Exemplo 1:

<pre> ! dial-peer voice 1 mmoip application fax_on_vfc_onram p_app out-bound destination- pattern 8913144 information- type fax session target mailto:andy@test lab-t37.com ! dial-peer voice 2 mmoip application </pre>	<p>Nesta configuração, o PRI tem dois números de Discagem direta interna (DID): 891-3144 e 891-3145. Dependendo do número discado, um e-mail é enviado para andy@testlab-t37.com ou para bobby@testlab-t37.com.</p>
--	--

<pre> fax_on_vfc_onram p_app out-bound destination- pattern 8913145 information- type fax session target mailto:bobby@tes tlab-t37.com ! dial-peer voice 891314 pots application onramp incoming called-number 891314[4-5] direct-inward- dial port 0:D ! </pre>	
--	--

Exemplo 2:

<pre> ! dial-peer voice 1 mmoip application fax_on_vfc_onr amp_app out- bound destination- pattern 8913144 information- type fax session target mailto:\$d\$@tes tlab-t37.com ! </pre>	<p>Com essa configuração, o Serviço de Identificação de Número Discado (DNIS - Dialed Number Identification Service) (número da parte chamada) é inserido no RCPT TO: Comando SMTP. Isso permite que os clientes forneçam a cada usuário um DID para aplicativos OnRamp. Eles simplesmente adicionam um alias no servidor de e-mail. 12 de março, 15:42:12.947: C)S: RCPT PARA:<FAX=8913144@testlab-t37.com></p>
--	--

Observação: certifique-se de que o alias de e-mail seja FAX=8913144@domain.com em vez de 8913144@domain.com ou o e-mail não será entregue corretamente.

[Troubleshoot](#)

[Depurações com Falha](#)

Observação: as alterações de configuração são anotadas acima das depurações.

debug mspi send

```

!
fax interface-type fax-mail
mta send server testlab-smtp.testlab-t37.com port 25
mta send mail-from hostname whatever.com
mta receive maximum-recipients 0
call-history-mib retain-timer 500
!

```

Observação: o comando `mta send mail-from username` é omitido da configuração, assim como o comando `mta send postmaster`.

```
vdtl-5300-7a#
Mar 4 10:03:29.165: mspi_setup_req: for cid=0x27
Mar 4 10:03:29.165: envelope_from=FAX=@ !--- Note: This is not a valid email address (no domain). Mar 4 10:03:29.165: envelope_to=andy@testlab-t37.com
Mar 4 10:03:30.165: mspi_chk_connect: cid=0x27, cnt=0,
Mar 4 10:03:30.165: SMTP connected to the server ! !--- The connection to the SMTP server is initiated. Mar 4 10:03:30.165: mspi_bridge: cid=0x27, dst cid=0x28, Mar 4 10:03:56.985:
mspi_xmit: cid=0x27, st=CONFERENCED, src_cid=0x28, buf cnt=0 Mar 4 10:03:56.985: %MSPI-4-MSPI_NO_SMTP_SEND: MSPI- Could not
send data to the SMTP server, cid=39, mspi_on_xmit, lost connection
Mar 4 10:03:56.985: mspi_on_xmit: cid=0x27, lost connection
Mar 4 10:03:56.985: disc text=no route to destination (3): SMTP client engine
lost connection !--- The statement "no route to destination" is a little misleading as a cause code. Mar 4 10:03:56.985: mspi_xmit: cid=0x27, st=ABORTING, src_cid=0x28 Mar 4 10:03:56.985:
discarding buffer !--- Several lines of mspi_xmit debugs that were identical to the lines above !--- and below this note have been suppressed. Mar 4 10:03:56.989: mspi_xmit: cid=0x27,
st=ABORTING, src_cid=0x28 Mar 4 10:03:56.993: discarding buffer Mar 4 10:03:56.993:
%LAPP_ON_MSGS-6-LAPP_ON_CAUSE_NO_ESMTP_CONNECT: ESMTP client did not connect or lost connection
to remote server Mar 4 10:03:56.993: mspi_bridge_drop: cid=0x27, dst cid=0x28, st=ABORTING,
onramp Mar 4 10:03:56.993: mspi_disconnect: cid=0x27, st=DISCONNECTING, cause=no route to
destination (3) Mar 4 10:03:56.993: mspi_on_call_hist: cid=0x27, cause=no route to destination
(3): SMTP client engine lost connection Mar 4 10:03:56.993: disposing smtp ctx Mar 4
10:03:56.993: mspi_free_ccb: mmccb allocated=1, inserted=0 vdtl-5300-7a#
```

O mesmo problema pode ser visto um pouco mais claramente com esta depuração:

```
vdtl-5300-7a# debug mta send all
Mar 5 16:48:46.420: esmtp_client_engine_open: from=FAX=@, to=andy@testlab-t37.com
Mar 5 16:48:46.420: esmtp_client_engine_add_headers: from_comment=Fax
Mar 5 16:48:46.792: esmtp_client_work: socket 0 attempting to connect to IP
address 172.18.106.36
Mar 5 16:48:46.792: esmtp_client_work: socket 0 readable for first time
Mar 5 16:48:46.792: esmtp_client_work: socket 0 readable for first time
Mar 5 16:48:46.796: (C)R: 220 testlab-smtp.testlab-t37.com Microsoft ESMTP MAIL Service,
Version: 5.0.2195.4453 ready at Tue, 5 Mar 2002 16:48:12 -0500 !--- This is the SMTP server
information displayed with the login. Mar 5 16:48:46.796: (C)S: EHLO vdtl-5300-7a.testlab-
t37.com
Mar 5 16:48:47.208: (C)R: 250-testlab-smtp.testlab-t37.com Hello [15.80.7.11]
!--- All the responses through the R: 250 OK are in response to the EHLO command from !--- the
sender (the 5300). These are the capabilities of the receiver. Mar 5 16:48:47.208: (C)R: 250-
TURN Mar 5 16:48:47.208: (C)R: 250-ATRN Mar 5 16:48:47.208: (C)R: 250-SIZE Mar 5 16:48:47.208:
(C)R: 250-ETRN Mar 5 16:48:47.212: (C)R: 250-PIPELINING Mar 5 16:48:47.212: (C)R: 250-DSN Mar 5
16:48:47.212: (C)R: 250-ENHANCEDSTATUSCODES Mar 5 16:48:47.212: (C)R: 250-8bitmime Mar 5
16:48:47.212: (C)R: 250-BINARYMIME Mar 5 16:48:47.212: (C)R: 250-CHUNKING Mar 5 16:48:47.212:
(C)R: 250-VRFY Mar 5 16:48:47.212: (C)R: 250-X-EXPS GSSAPI NTLM LOGIN Mar 5 16:48:47.212: (C)R:
250-X-EXPS=LOGIN Mar 5 16:48:47.212: (C)R: 250-AUTH GSSAPI NTLM LOGIN Mar 5 16:48:47.212: (C)R:
250-AUTH=LOGIN Mar 5 16:48:47.212: (C)R: 250-X-LINK2STATE Mar 5 16:48:47.212: (C)R: 250-XEXCH50
Mar 5 16:48:47.212: (C)R: 250 OK Mar 5 16:48:47.212: (C)S: MAIL FROM:
```

!--- This is the mail from command.

```
Mar 5 16:48:47.708: (C)R: 501 5.5.4 Invalid Address !--- The
server does not like the address. Mar 5 16:48:47.708: esmtp_client_work: error in response to
MAIL FROM !--- This tells exactly where the problem occurred in the SMTP exchange. Mar 5
```



```
16:48:47.708: esmtp_client_work: ERROR, socket=0 Mar 5 16:49:15.132: %MSPI-4-MSPI_NO_SMTP_SEND:
MSPI- Could not send data to the SMTP server, cid=96, mspi_on_xmit, lost connection Mar 5
16:49:15.132: %LAPP_ON_MSGS-6-LAPP_ON_CAUSE_NO_ESMTP_CONNECT: ESMTP client did not connect or
lost connection to remote server Mar 5 16:49:15.208: esmtp_client_work: Freeing ctx=0x62616C4C
Mar 5 16:49:15.208: esmtp_client: returned from work, context freed
```

Nenhum servidor configurado

```
fax receive called-subscriber 8913180
fax interface-type fax-mail
mta send subject Fax from On-Ramp GW vdtl-5300-7a
mta send postmaster administrator@testlab-t37.com
mta send mail-from hostname vdtl-5300-7a.testlab-t37.com
mta send mail-from username $$
mta receive maximum-recipients 0
```

```
vdtl-5300-7a#
Mar 4 10:46:48.703: mspi_setup_req: for cid=0x3F
Mar 4 10:46:48.703: %MSPI-1-MSPI_BAD_CONFIG: MSPI-bad configuration, mspi_setup_req:
NULL server ip address
Mar 4 10:46:48.703: mspi_setup_req: NULL server address
Mar 4 10:46:48.703: %LAPP_ON_MSGS-6-LAPP_ON_CAUSE_NO_ESMTP_CONNECT: ESMTP client
did not connect or lost connection to remote server
vdtl-5300-7a#
```

Servidor configurado, mas não existe rota IP para o servidor

```
vdtl-5300-7a# debug mspi send
Mail SPI send debugging is on
vdtl-5300-7a#
Mar 20 09:35:27.126: %ISDN-6-CONNECT: Interface Serial0:18 is now connected to 8915510
Mar 20 09:35:29.306: mspi_setup_req: for cid=0x141
Mar 20 09:35:29.306: envelope_from=FAX=8915510@vdtl-5300-7a.testlab-t37.com
Mar 20 09:35:29.310: envelope_to=FAX=8913144@testlab-t37.com
Mar 20 09:35:30.310: mspi_chk_connect: cid=0x141, cnt=0,
Mar 20 09:35:30.310: SMTP is in the error state...
Mar 20 09:35:30.310: disc text=no route to destination (3): SMTP client open failed
Mar 20 09:35:30.310: Still waiting for the SMTP connection..... !--- You can tell that the SMTP
connection was never established. Mar 20 09:35:30.310: %LAPP_ON_MSGS-6-
LAPP_ON_CAUSE_NO_ESMTP_CONNECT: ESMTP client
did not connect or lost connection to remote server
Mar 20 09:35:30.310: mspi_disconnect: cid=0x141, st=DISCONNECTING, cause=no route
to destination (3) !--- This cause code seems to be an accurate description of the problem.
Mar 20 09:35:30.310: mspi_on_call_hist: cid=0x141, cause=no route to destination (3):
SMTP client open failed
Mar 20 09:35:30.310: disposing smtp ctx
Mar 20 09:35:30.310: mspi_free_ccb: mmccb allocated=1, inserted=0
Mar 20 09:35:36.006: %ISDN-6-DISCONNECT: Interface Serial0:18 disconnected from 8915510,
call lasted 14 seconds
vdtl-5300-7a#
```

Observação: o roteador não está enviando um FQDN (Fully Qualified Domain Name, nome de domínio totalmente qualificado) para o servidor MS Exchange e não gosta da sintaxe. Isso ocorre porque o roteador requer um recarregamento após adicionar "ip domain-name *domain* "

```
vdtl-5300-7a# debug mmoip send email andy@testlab-t37.com
vdtl-5300-7a#
Mar 28 09:55:16.768: %SYS-5-CONFIG_I: Configured from console by console
Mar 28 09:55:17.936: esmtp_client_engine_open: from=testing@vdtl-5300-7a.testlab-t37.com,
to=andy@testlab-t37.com
```

```
Mar 28 09:55:17.940: esmtp_client_engine_add_headers: from_comment=mspi Test User
Mar 28 09:55:18.072: esmtp_client_work: socket 0 attempting to connect to IP
address 172.18.106.36
Mar 28 09:55:18.072: esmtp_client_work: socket 0 readable for first time
Mar 28 09:55:18.072: esmtp_client_work: socket 0 readable for first time
Mar 28 09:55:18.076: (C)R: 220 testlab-smtp.testlab-t37.com Microsoft ESMTMP MAIL Service,
Version: 5.0.2195.4453 ready at Thu, 28 Mar 2002 09:54:02 -0500
Mar 28 09:55:18.076: (C)S: EHLO vdtl-5300-7a. !--- The Exchange server does not like the
trailing dot (.). Mar 28 09:55:18.484: (C)R: 501 5.5.4 Invalid Address
Mar 28 09:55:18.484: esmtp_client_work: EHLO failed; will try sending HELO
Mar 28 09:55:18.484: (C)S: HELO vdtl-5300-7a.
Mar 28 09:55:18.984: (C)R: 501 5.5.4 Invalid Address
Mar 28 09:55:18.984: esmtp_client_work: error in response to HELO
Mar 28 09:55:18.984: esmtp_client_work: ERROR, socket=0
Mar 28 09:55:18.984: esmtp_client_work: Freeing ctx=0x62661F18
Mar 28 09:55:18.988: esmtp_client: returned from work, context freed
vdtl-5300-7a#
```

Depurações de trabalho

Esses comandos debug são usados para o lado SMTP de OnRamp:

```
vdtl-5300-7a# debug foip on-ramp
FOIP On ramp faxmail debugging is on
vdtl-5300-7a#
Mar 18 10:57:50.995: lapp_on_application: Incoming Event: (15 = CC_EV_CALL_HANDOFF),
CID(216), DISP(0)
Mar 18 10:57:50.995: lapp_on_call_handoff: Authentication enabled = FALSE
Mar 18 10:57:50.995: lapp_on_call_handoff: Authentication ID = 0
Mar 18 10:57:50.995: lapp_on_call_handoff: Authentication ID source = IVR or unknown
Mar 18 10:57:50.999: lapp_on_call_handoff: Authentication status = SUCCESS
Mar 18 10:57:50.999: lapp_on_call_handoff: Accounting enabled = FALSE
Mar 18 10:57:50.999: lapp_on_call_handoff: Accounting method list = fax
Mar 18 10:57:50.999: lapp_on_call_handoff: Mailto Address =
Mar 18 10:57:50.999: lapp_on_conference_vtsp_fmosp: Begin conferencing VTSP and FMSP...
Mar 18 10:57:50.999: lapp_on_change_state: old state(0) new state(1) !--- HANDOFF to
VTSP_FMOSP_CONFERENCING Mar 18 10:57:51.003: lapp_on_application: Incoming Event: (29 =
CC_EV_CONF_CREATE_DONE), CID(216), DISP(0) Mar 18 10:57:51.003: lapp_on_application: Current
call state = 1 Mar 18 10:57:51.003: lapp_on_conference_created: The VTSP and the FMSP are
conferenced
Mar 18 10:57:51.003: lapp_on_conference_created: Wait for FMSP call detail event
Mar 18 10:57:51.003: lapp_on_change_state: old state(1) new state(2) !--- VTSP_FMOSP_CONFERENCING
to FMOSP_CALL_DETAIL Mar 18 10:57:57.075: %ISDN-6-CONNECT: Interface Serial0:18 is now connected
to 8915510 Mar 18 10:57:59.135: lapp_on_application: Incoming Event: (33 =
CC_EV_FROM_FMOSP_ON_CALL_DETAIL), CID(217), DISP(0) Mar 18 10:57:59.139: lapp_on_application:
Current call state = 2 Mar 18 10:57:59.139: lapp_on_msp_event: Incoming call detail has arrived
from the FMSP Mar 18 10:57:59.139: lapp_on_setup_mspi: Prep MSPI ccCallSetupRequest... Mar 18
10:57:59.139: lapp_on_setup_mspi: Envelope from: FAX=8915510@vdtl-5300-7a.testlab-t37.com
Mar 18 10:57:59.139: lapp_on_setup_mspi: Envelope to: FAX=8913144@testlab-t37.com
Mar 18 10:57:59.139: lapp_on_setup_mspi: rfc822_to_comment: 8913144
Mar 18 10:57:59.139: lapp_on_setup_mspi: Faxmail subject: Fax from On-Ramp GW vdtl-5300-7a
[DNIS=8913144] [ANI=8915510]
Mar 18 10:57:59.139: lapp_on_setup_mspi: Disposition notification to: admin@testlab-t37.com
!--- A read receipt is sent to admin@testlab-t37.com if the reader so chooses. Mar 18
10:57:59.139: lapp_on_setup_mspi: Originator's TSI = rfc822_from_comment = Fax Mar 18
10:57:59.139: lapp_on_setup_mspi: Auth/Account ID = 0 Mar 18 10:57:59.139: lapp_on_setup_mspi:
Do ccCallSetupRequest to MSPI Mar 18 10:57:59.139: lapp_on_conference_fmosp_dmosp: Starting
conference with FMSP and DMSP Mar 18 10:57:59.139: lapp_on_conference_fmosp_dmosp: tiff file
created = 2002:03:18 10:57:59
Mar 18 10:57:59.139: lapp_on_change_state: old state(2) new state(3) !--- FMOSP_CALL_DETAIL to
FMOSP_DMOSP_CONFERENCING Mar 18 10:57:59.139: lapp_on_application: Incoming Event: (29 =
CC_EV_CONF_CREATE_DONE), CID(217), DISP(0) Mar 18 10:57:59.139: lapp_on_application: Current
```

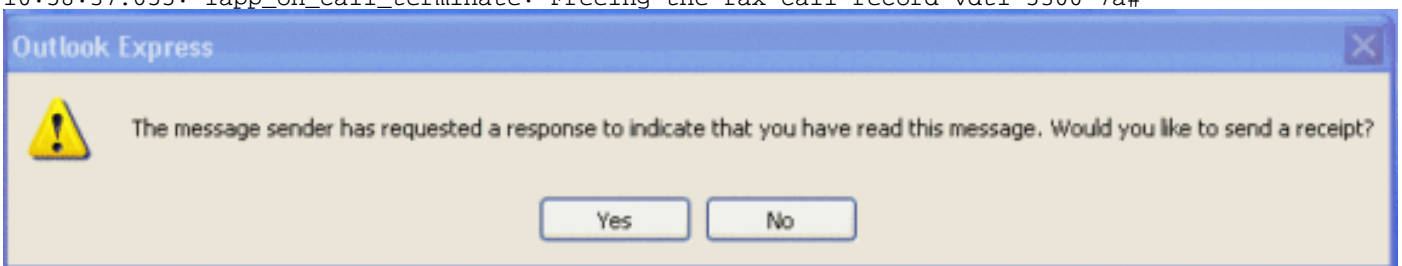
call state = 3 Mar 18 10:57:59.139: lapp_on_conference_created: The FMSP and the DMSP are
conferenced Mar 18 10:57:59.139: lapp_on_conference_created: Sending
CC_EV_TO_FMSP_ON_RECEIVE_ENABLE to FMSP Mar 18 10:57:59.139: lapp_on_change_state: old state(3)
new state(4) *!---* *FMSP_DMSP_CONFERENCING to FMSP_PAGE_ACCEPT_REQUESTED* Mar 18 10:58:00.139:
lapp_on_application: Incoming Event: (8 = CC_EV_CALL_CONNECTED), CID(218), DISP(0) Mar 18
10:58:00.139: lapp_on_application: Current call state = 4 Mar 18 10:58:00.139:
lapp_on_call_connected: **Call connected event received.... - CID(218)**
Mar 18 10:58:00.139: lapp_on_call_connected: MSPI call connected - CID(218)
Mar 18 10:58:00.139: lapp_on_call_connected: Start conferencing the DMSP and the MSPI
Mar 18 10:58:00.139: lapp_on_application: Incoming Event: (29 = CC_EV_CONF_CREATE_DONE),
CID(219), DISP(0)
Mar 18 10:58:00.139: lapp_on_application: Current call state = 4
Mar 18 10:58:11.539: lapp_on_application: Incoming Event:
(36 = CC_EV_FROM_FMSP_ON_PAGE_ACCEPT_REQUESTED), CID(217), DISP(0)
Mar 18 10:58:11.539: lapp_on_application: Current call state = 4
Mar 18 10:58:11.539: lapp_on_msp_event: **Page accept request arrived from fmsp**
Mar 18 10:58:11.539: lapp_on_msp_event: **Sending page accept event to the FMSP**
Mar 18 10:58:11.539: lapp_on_msp_event: **Pages processed = 1**
!--- *The first fax page is received.* Mar 18 10:58:11.539: lapp_on_change_state: old state(4) new
state(4) Mar 18 10:58:16.015: lapp_on_application: Incoming Event: (37 =
CC_EV_FROM_DMSP_ON_PAGE_PROCESSED), CID(219), DISP(146) Mar 18 10:58:16.015:
lapp_on_application: Current call state = 4 Mar 18 10:58:16.015: lapp_on_msp_event: Page
processed event arrived from the DMSP Mar 18 10:58:16.015: lapp_on_change_state: old state(4)
new state(4) Mar 18 10:58:30.719: lapp_on_application: Incoming Event: (36 =
CC_EV_FROM_FMSP_ON_PAGE_ACCEPT_REQUESTED), CID(217), DISP(0) Mar 18 10:58:30.719:
lapp_on_application: Current call state = 4 Mar 18 10:58:30.719: lapp_on_msp_event: **Page accept
request arrived from fmsp**
Mar 18 10:58:30.719: lapp_on_msp_event: **Sending page accept event to the FMSP**
Mar 18 10:58:30.719: lapp_on_msp_event: **Pages processed = 2**
!--- *The second fax page is received.* Mar 18 10:58:30.719: lapp_on_change_state: old state(4)
new state(4) Mar 18 10:58:32.199: lapp_on_application: Incoming Event: (37 =
CC_EV_FROM_DMSP_ON_PAGE_PROCESSED), CID(219), DISP(0) Mar 18 10:58:32.199: lapp_on_application:
Current call state = 4 Mar 18 10:58:32.199: lapp_on_msp_event: Page processed event arrived from
the DMSP Mar 18 10:58:32.199: lapp_on_change_state: old state(4) new state(4) Mar 18
10:58:34.355: lapp_on_application: Incoming Event: (11 = CC_EV_CALL_DISCONNECTED), CID(218),
DISP(0) Mar 18 10:58:34.355: lapp_on_application: Current call state = 4 Mar 18 10:58:34.355:
lapp_on_call_disconnected: Call Disconnected - CID= 218 cause= 0x10 call_state= 4 Mar 18
10:58:34.355: lapp_on_call_disconnected: MSPI disconnected Mar 18 10:58:34.355:
lapp_on_call_disconnected: **Faxmail acknowledged by remote SMTP server**
Mar 18 10:58:34.355: lapp_on_change_state: old state(4) new state(7) *!---*
FMSP_PAGE_ACCEPT_REQUESTED to CONFERENCE_DESTROYING Mar 18 10:58:34.355:
lapp_on_conference_cleanup: Destroying conferences... Mar 18 10:58:34.355:
lapp_on_conference_cleanup: **Destroying conference for VTSP & FMSP**
Mar 18 10:58:34.355: lapp_on_conference_cleanup: **Destroying conference for FMSP & DMSP**
Mar 18 10:58:34.355: lapp_on_conference_cleanup: **Destroying conference for DMSP & MSPI**
Mar 18 10:58:34.355: lapp_on_application: Incoming Event: (30 = CC_EV_CONF_DESTROY_DONE),
CID(217), DISP(0)
Mar 18 10:58:34.355: lapp_on_application: Current call state = 7
Mar 18 10:58:34.355: lapp_on_conference_destroyed: FMSP/DMSP conference destroyed
Mar 18 10:58:34.355: lapp_on_conference_destroyed: Conference destroyed.... confID = 150
Mar 18 10:58:34.355: lapp_on_application: Incoming Event: (30 = CC_EV_CONF_DESTROY_DONE),
CID(219), DISP(0)
Mar 18 10:58:34.355: lapp_on_application: Current call state = 7
Mar 18 10:58:34.355: lapp_on_conference_destroyed: DMSP/MSPI conference destroyed
Mar 18 10:58:34.355: lapp_on_conference_destroyed: Conference destroyed.... confID = 151
Mar 18 10:58:34.355: lapp_on_application: Incoming Event: (30 = CC_EV_CONF_DESTROY_DONE),
CID(216), DISP(0)
Mar 18 10:58:34.355: lapp_on_application: Current call state = 7
Mar 18 10:58:34.355: lapp_on_conference_destroyed: VTSP/FMSP conference destroyed
Mar 18 10:58:34.355: lapp_on_conference_destroyed: Conference destroyed.... confID = 149
Mar 18 10:58:34.355: lapp_on_change_state: old state(7) new state(8) *!---* *CONFERENCE_DESTROYING
to DISCONNECTING* Mar 18 10:58:34.355: lapp_on_conference_destroyed: All conferences are
destroyed. Mar 18 10:58:34.355: lapp_on_change_state: old state(8) new state(8) Mar 18
10:58:34.355: lapp_on_call_leg_cleanup: Sending disconnect for FMSP Mar 18 10:58:34.359:

lapp_on_call_leg_cleanup: Sending disconnect for DMSP Mar 18 10:58:34.359: lapp_on_application: Incoming Event: (12 = CC_EV_CALL_DISCONNECT_DONE), CID(219), DISP(0) Mar 18 10:58:34.359: lapp_on_application: Current call state = 8 Mar 18 10:58:34.359: lapp_on_disconnect_done: Received call disconnect done ... callID = 219 Mar 18 10:58:34.359: lapp_on_disconnect_done: DMSP disconnect done Mar 18 10:58:34.359: lapp_on_disconnect_done: Sending disconnect for MSPI Mar 18 10:58:34.359: lapp_on_application: Incoming Event: (12 = CC_EV_CALL_DISCONNECT_DONE), CID(218), DISP(0) Mar 18 10:58:34.359: lapp_on_application: Current call state = 8 Mar 18 10:58:34.359: lapp_on_disconnect_done: Received call disconnect done ... callID = 218 Mar 18 10:58:34.359: lapp_on_disconnect_done: MSPI disconnect done Mar 18 10:58:34.363: lapp_on_application: Incoming Event: (12 = CC_EV_CALL_DISCONNECT_DONE), CID(217), DISP(0) Mar 18 10:58:34.363: lapp_on_application: Current call state = 8 Mar 18 10:58:34.363: lapp_on_disconnect_done: Received call disconnect done ... callID = 217 Mar 18 10:58:34.363: lapp_on_disconnect_done: FMSP disconnect done Mar 18 10:58:34.363: lapp_on_disconnect_done: Sending disconnect for VTSP Mar 18 10:58:36.627: %ISDN-6-DISCONNECT: Interface Serial0:18 disconnected from 8915510 , call lasted 45 seconds Mar 18 10:58:37.647: lapp_on_application: Incoming Event: (28 = CC_EV_CALL_FEATURE), CID(216), DISP(0) Mar 18 10:58:37.647: lapp_on_application: Current call state = 8 Mar 18 10:58:37.647: lapp_on_event_unsupported: Unsupported event received--- Mar 18 10:58:37.647: lapp_on_event_unsupported: EV(28=CC_EV_CALL_FEATURE), CID(216), disp(0) Mar 18 10:58:37.647: lapp_on_event_unsupported: Current call state = 8 Mar 18 10:58:37.651: lapp_on_application: Incoming Event: (12 = CC_EV_CALL_DISCONNECT_DONE), CID(216), DISP(0) Mar 18 10:58:37.651: lapp_on_application: Current call state = 8 Mar 18 10:58:37.651: lapp_on_disconnect_done: **Received call disconnect done ... callID = 216**

Mar 18 10:58:37.651: lapp_on_disconnect_done: **VTSP disconnect done**

Mar 18 10:58:37.651: lapp_on_disconnect_done: All the calls are now void or disconnected

Mar 18 10:58:37.651: lapp_on_change_state: old state(8) new state(9)!--- **DISCONNECTING to TERMINAL** Mar 18 10:58:37.651: lapp_on_call_terminate: Freeing the IVR call handoff record Mar 18 10:58:37.655: lapp_on_call_terminate: Freeing the fax call record vdtl-5300-7a#



O cliente que recebe o e-mail vê uma janela semelhante à acima ao abrir um e-mail com um conjunto de MDN. A resposta que o solicitante recebe está na forma de e-mail enviado ao usuário com texto de mensagem que diz: "Este é um recibo do e-mail que você enviou para "8913144" <Fax=8913144@testlab-t37.com> às 10:58 da manhã de 3/18/2002. Este recibo verifica se a mensagem foi exibida no computador do destinatário em 18/03/2002 11:07 AM."

```
vdtl-5300-7a# debug mta send all
All email send debugging is on
vdtl-5300-7a#
Mar 18 14:50:46.278: %ISDN-6-CONNECT: Interface Serial0:18 is now connected to 8915510
Mar 18 14:50:48.474: esmtp_client_engine_open:
  from=FAX=8915510@vdtl-5300-7a.testlab-t37.com, to=FAX=8913144@testlab-t37.com
Mar 18 14:50:48.474: esmtp_client_engine_add_headers: from_comment=Fax
Mar 18 14:50:48.702: esmtp_client_work: socket 0 attempting to connect to
  IP address 172.18.106.36
Mar 18 14:50:48.702: esmtp_client_work: socket 0 readable for first time
Mar 18 14:50:48.702: esmtp_client_work: socket 0 readable for first time
Mar 18 14:50:48.706: (C)R: 220 testlab-smtp.testlab-t37.com Microsoft ESMTP MAIL Service,
  Version: 5.0.2195.4453 ready at Mon, 18 Mar 2002 14:49:51 -0500
Mar 18 14:50:48.706: (C)S: EHLO vdtl-5300-7a.testlab-t37.com
Mar 18 14:50:49.166: (C)R: 250-testlab-smtp.testlab-t37.com Hello [15.80.7.11]
Mar 18 14:50:49.166: (C)R: 250-TURN
Mar 18 14:50:49.170: (C)R: 250-ATRN
Mar 18 14:50:49.170: (C)R: 250-SIZE
```

Mar 18 14:50:49.170: (C)R: 250-ETRN
Mar 18 14:50:49.170: (C)R: 250-PIPELINING
Mar 18 14:50:49.170: (C)R: 250-DSN
Mar 18 14:50:49.170: (C)R: 250-ENHANCEDSTATUSCODES
Mar 18 14:50:49.170: (C)R: 250-8bitmime
Mar 18 14:50:49.170: (C)R: 250-BINARYMIME
Mar 18 14:50:49.170: (C)R: 250-CHUNKING
Mar 18 14:50:49.170: (C)R: 250-VERFY
Mar 18 14:50:49.170: (C)R: 250-X-EXPS GSSAPI NTLM LOGIN
Mar 18 14:50:49.170: (C)R: 250-X-EXPS=LOGIN
Mar 18 14:50:49.170: (C)R: 250-AUTH GSSAPI NTLM LOGIN
Mar 18 14:50:49.170: (C)R: 250-AUTH=LOGIN
Mar 18 14:50:49.170: (C)R: 250-X-LINK2STATE
Mar 18 14:50:49.170: (C)R: 250-XEXCH50
Mar 18 14:50:49.170: (C)R: 250 OK
Mar 18 14:50:49.170: (C)**S: MAIL FROM:**

Mar 18 14:50:49.666: (C)R: 250 2.1.0 FAX=8915510@vdtl-5300-7a.testlab-t37.com....Sender OK
Mar 18 14:50:49.666: (C)**S: RCPT TO:**

ORCPT=rfc822;FAX+3D8915510@vdtl-5300-7a.testlab-t37.com

Mar 18 14:50:50.170: (C)R: 250 2.1.5 FAX=8913144@testlab-t37.com
Mar 18 14:50:50.698: (C)R: **354 Start mail input; end with**

Mar 18 14:50:50.698: (C)S: Received: by vdtl-5300-7a.testlab-t37.com for Mar 18 14:51:05.706:
esmtplib_client_work: writing lingering data for socket 0 Mar 18 14:51:05.714: esmtplib_client_work:
writing lingering data for socket 0 Mar 18 14:51:14.726: esmtplib_client_work: writing lingering
data for socket 0 Mar 18 14:51:14.734: esmtplib_client_work: writing lingering data for socket 0
Mar 18 14:51:14.738: (C)S: --yradnuob=008B2002145048474.vdtl-5300-7a.testlab-t37.com-- Mar 18
14:51:14.738: esmtplib_client_work: Sending terminating dot ...(socket=0) Mar 18 14:51:14.738:
(C)S: . !--- This is the terminating dot to end the SMTP session. Mar 18 14:51:14.986: (C)R: 250
2.6.0 <008C2002145050698@vdtl-5300-7a.testlab-t37.com> Queued mail for delivery Mar 18
14:51:14.986: (C)S: **QUIT**
Mar 18 14:51:15.406: (C)R: **221 2.0.0 testlab-smtp.testlab-t37.com Service closing
transmission channel**
Mar 18 14:51:15.406: esmtplib_client_work: Freeing ctx=0x6266946C
Mar 18 14:51:15.406: esmtplib_client: returned from work, context freed
Mar 18 14:51:18.938: %ISDN-6-DISCONNECT: Interface Serial0:18 disconnected from 8915510 ,
call lasted 38 seconds
vdtl-5300-7a#

vdtl-5300-7a# **debug dmsp fax-to-doc**

Doc MSP fax to doc debugging is on

vdtl-5300-7a#

Mar 18 14:53:03.338: %ISDN-6-CONNECT: Interface Serial0:18 is now connected to 8915510
Mar 18 14:53:05.530: docmsp_call_setup_request: callid=227
Mar 18 14:53:05.530: docmsp_call_setup_request(): **ramp data dir=ONRAMP, conf dir=DEST**
Mar 18 14:53:05.534: docmsp_caps_ind: call id=227, src=225
Mar 18 14:53:05.534: docmsp_bridge cfid=156, srccid=227, dstcid=225

Mar 18 14:53:05.534: docmsp_bridge(): ramp data dir=ONRAMP, conf dir=DEST, encode out=2
Mar 18 14:53:06.530: docmsp_bridge cfid=157, srccid=227, dstcid=226

vdctl-5300-7a#**debug fmsp receive t30**
FMSP receive t30 debugging is on
vdctl-5300-7a#
Mar 19 14:46:26.536: t30 call4Leg=307, state=1, substate=3 *!--- state=PHASE_B_RECEIVE
substate=TX_DIS_DTC_BLOCK* Mar 19 14:46:26.536: **CSI_PACKET(8913180)** *!--- The CSI option, which
shows that the called number is 8913180, is !---* controlled by the fax receive called-subscriber
configuration.

Mar 19 14:46:26.536: t30 call4Leg=307, state=1, substate=3
Mar 19 14:46:26.536: **DIS_PACKET(speed: 5, resolution: 1, encoding:
1**
Mar 19 14:46:26.536: t30 call4Leg=307, state=1, substate=4 *!--- Moved to substate
RX_DCS_DTC_BLOCK.* Mar 19 14:46:26.536: fax2_response_receive: PROCESSING Mar 19 14:46:29.452:
t30 call4Leg=307, state=1, substate=4 Mar 19 14:46:29.452: fax2_response_receive: PROCESSING Mar
19 14:46:29.476: %ISDN-6-CONNECT: Interface Serial0:18 is now connected to 8915510 Mar 19
14:46:30.736: t30 call4Leg=307, state=1, substate=3 Mar 19 14:46:30.736: **CSI_PACKET(8913180)**
Mar 19 14:46:30.736: t30 call4Leg=307, state=1, substate=3
Mar 19 14:46:30.736: **DIS_PACKET(speed: 5, resolution: 1, encoding:
1** *!--- speed=14400, resolution=, encoding=modified read* Mar 19 14:46:30.736: t30 call4Leg=307,
state=1, substate=4 Mar 19 14:46:30.736: fax2_response_receive: PROCESSING Mar 19 14:46:31.100:
t30 call4Leg=307, state=1, substate=4 Mar 19 14:46:31.100: fax2_response_receive: PROCESSING Mar
19 14:46:31.100: msg dump:FF C0 C2 4 4 4 4 4 4 4 4 4 4 4 4 4 4 1E 86 62 Mar 19
14:46:31.100: Mar 19 14:46:31.100: t30 call4Leg=307, state=1, substate=4 Mar 19 14:46:31.100:
received: TSI remote id string: Fax

Mar 19 14:46:31.100: t30 call4Leg=307, state=1, substate=4
Mar 19 14:46:31.100: fax2_response_receive: PROCESSING
Mar 19 14:46:31.532: t30 call4Leg=307, state=1, substate=4
Mar 19 14:46:31.532: fax2_response_receive: PROCESSING
Mar 19 14:46:31.532: msg dump:FF C8 C1 0 47 E
Mar 19 14:46:31.532:
Mar 19 14:46:31.532: t30 call4Leg=307, state=1, substate=4
Mar 19 14:46:31.532: fax2_response_receive: PROCESSING
Mar 19 14:46:31.672: t30 call4Leg=307, state=1, substate=4
Mar 19 14:46:31.672: in response receive WAIT FOR CD
Mar 19 14:46:31.672: t30 call4Leg=307, state=1, substate=9 *!--- The substate is changed to
RX_TCF.* Mar 19 14:46:31.672: **received DCS_PACKET, BR: 9,** *!--- BR=v.21 14400 resolution: 1,
encoding: 1, remote_id_string: Fax*
Mar 19 14:46:31.672: t30 call4Leg=307, state=1, substate=10 *!--- The substate is changed to
WAIT_FOR_FDR.* Mar 19 14:46:31.672: wait for ready for data from application Mar 19 14:46:31.672:
t30 call4Leg=307, state=1, substate=12 *!--- The substate is changed to TX_TCF_RESPONSE.* Mar 19
14:46:31.672: **send CFR_PACKET**
Mar 19 14:46:31.672: t30 call4Leg=307, state=1, substate=6 *!--- The substate is changed to
CONFIGURE_RX_DATA.* Mar 19 14:46:31.672: fax2_configure_rx_data: STILL_LOOKING, T2 timer not
expired Mar 19 14:46:36.472: t30 call4Leg=307, state=1, substate=6 Mar 19 14:46:36.472:
fax2_configure_rx_data: **DETECTED_DATA**
Mar 19 14:46:36.472: t30 call4Leg=307, state=2, substate=43 *!--- state = PHASE_C_RECEIVE,
substate=RX_FIRST_DATA_BYTE - starting to RX page data...* Mar 19 14:46:36.472: No data yet Mar
19 14:46:43.872: t30 call4Leg=307, state=2, substate=14 *!--- The substate is changed to RX_DATA.*
Mar 19 14:46:43.872: **end of page**
Mar 19 14:46:43.872: t30 call4Leg=307, state=1, substate=6 *!--- The substate is changed to
CONFIGURE_RX_DATA.* Mar 19 14:46:43.872: fax2_configure_rx_data: STILL_LOOKING, T2 timer not
expired Mar 19 14:46:43.872: t30 call4Leg=307, state=1, substate=6 Mar 19 14:46:43.872:
fax2_configure_rx_data: STILL_LOOKING, T2 timer not expired Mar 19 14:46:44.140: t30
call4Leg=307, state=1, substate=6 Mar 19 14:46:44.140: fax2_configure_rx_data: **DETECTED_COMMAND**
Mar 19 14:46:44.140: t30 call4Leg=307, state=1, substate=7 *!--- The substate is changed to
RX_COMMAND.* Mar 19 14:46:44.140: fax2_command_receive: NO_COMMAND, T2 timer not expired Mar 19
14:46:45.200: t30 call4Leg=307, state=1, substate=7 Mar 19 14:46:45.200: fax2_command_receive:
PROCESSING Mar 19 14:46:45.200: msg dump:FF C8 F2 Mar 19 14:46:45.200: Mar 19 14:46:45.200: t30
call4Leg=307, state=1, substate=7 Mar 19 14:46:45.200: fax2_command_receive: PROCESSING Mar 19
14:46:45.352: t30 call4Leg=307, state=1, substate=7 Mar 19 14:46:45.352: fax2_command_receive:
RECEIVED_COMMAND Mar 19 14:46:45.352: t30 call4Leg=307, state=3, substate=8 *!--- The substate is*

changed to *ROUTE_COMMAND*. Mar 19 14:46:45.352: **received MPS** *!--- Received Multipage Signal*. Mar 19 14:46:45.352: t30 call4Leg=307, state=3, substate=10 *!--- The substate is changed to WAIT_FOR_FDR*. Mar 19 14:46:45.352: waiting for page acceptance by the application Mar 19 14:46:45.352: t30 call4Leg=307, state=3, substate=17 *!--- The substate is changed to SCHEDULE_PP_RESPONSE*. Mar 19 14:46:45.352: **send MCF** *!--- Send a Message Confirmation*. Mar 19 14:46:45.352: t30 call4Leg=307, state=1, substate=6 Mar 19 14:46:45.352: fax2_configure_rx_data: STILL_LOOKING, T2 timer not expired Mar 19 14:46:47.172: t30 call4Leg=307, state=1, substate=6

!--- Now this must be done again, starting from the page data, because two pages !--- are being sent. Mar 19 14:46:47.172: fax2_configure_rx_data: DETECTED_DATA Mar 19 14:46:47.172: t30 call4Leg=307, state=2, substate=43 *!--- state = PHASE_C_RECEIVE, substate=RX_FIRST_DATA_BYTE - starting to RX page data...* Mar 19 14:46:47.172: No data yet Mar 19 14:46:56.212: t30 call4Leg=307, state=2, substate=14 *!--- The substate is changed to RX_DATA*. Mar 19 14:46:56.212: end of page Mar 19 14:46:56.212: t30 call4Leg=307, state=1, substate=6 Mar 19 14:46:56.212: fax2_configure_rx_data: STILL_LOOKING, T2 timer not expired Mar 19 14:46:56.212: t30 call4Leg=307, state=1, substate=6 Mar 19 14:46:56.212: fax2_configure_rx_data: STILL_LOOKING, T2 timer not expired Mar 19 14:46:56.512: t30 call4Leg=307, state=1, substate=6 Mar 19 14:46:56.512: fax2_configure_rx_data: DETECTED_COMMAND Mar 19 14:46:56.512: t30 call4Leg=307, state=1, substate=7 Mar 19 14:46:56.512: fax2_command_receive: NO_COMMAND, T2 timer not expired Mar 19 14:46:57.552: t30 call4Leg=307, state=1, substate=7 Mar 19 14:46:57.552: fax2_command_receive: PROCESSING Mar 19 14:46:57.552: msg dump:FF C8 F4 Mar 19 14:46:57.552: Mar 19 14:46:57.552: t30 call4Leg=307, state=1, substate=7 Mar 19 14:46:57.552: fax2_command_receive: PROCESSING Mar 19 14:46:57.700: t30 call4Leg=307, state=1, substate=7 Mar 19 14:46:57.700: fax2_command_receive: RECEIVED_COMMAND Mar 19 14:46:57.700: t30 call4Leg=307, state=3, substate=8 Mar 19 14:46:57.700: **received EOP** *!--- Received End of Procedure*. Mar 19 14:46:57.700: t30 call4Leg=307, state=3, substate=10 Mar 19 14:46:57.700: waiting for page acceptance by the application Mar 19 14:46:57.700: t30 call4Leg=307, state=3, substate=17 Mar 19 14:46:57.700: **send MCF** *!--- Send a Message Confirmation*. Mar 19 14:46:57.700: t30 call4Leg=307, state=1, substate=6 Mar 19 14:46:57.704: fax2_configure_rx_data: STILL_LOOKING, T2 timer not expired Mar 19 14:46:58.140: t30 call4Leg=307, state=0, substate=6 *!--- state=PHASE_IDLE* Mar 19 14:46:58.140: fax session aborted by application Mar 19 14:47:02.188: %ISDN-6-DISCONNECT: Interface Serial0:18 disconnected from 8915510 , call lasted 38 seconds vdt1-5300-7a#

vdt1-5300-7a# **debug fax relay t30 called-number 8913144**

Debugging fax relay t30 to 8913144

vdt1-5300-7a#

Mar 19 14:40:19.134: 0:D:302 1205778176 fr-entered (10ms)
Mar 19 14:40:22.498: 0:D:302 1205781540 fr-msg-tx **CSI**
Mar 19 14:40:23.826: 0:D:302 1205782870 fr-msg-tx **DIS**
Mar 19 14:40:25.070: %ISDN-6-CONNECT: Interface Serial0:18 is now connected to 8915510
Mar 19 14:40:26.146: 0:D:302 1205785190 fr-msg-det **TSI**
Mar 19 14:40:27.026: 0:D:302 1205786070 fr-msg-det **DCS**
Mar 19 14:40:30.558: 0:D:302 1205789600 fr-msg-tx **CFR**
Mar 19 14:40:40.766: 0:D:302 1205799810 fr-msg-det **MPS**
Mar 19 14:40:41.266: 0:D:302 1205800310 fr-msg-tx **MCF**
Mar 19 14:40:53.098: 0:D:302 1205812140 fr-msg-det **EOP**
Mar 19 14:40:53.598: 0:D:302 1205812640 fr-msg-tx **MCF**
Mar 19 14:40:56.390: 0:D:302 1205815430 fr-msg-det **DCN**
Mar 19 14:40:57.682: %ISDN-6-DISCONNECT: Interface Serial0:18 disconnected from 8915510 , call lasted 38 seconds
Mar 19 14:40:58.518: 0:D:302 1205817560 fr-end-dcn

fr-msg-tx indicates T.30 messages that are transmitted by the router

fr-msg-det indicates T.30 messages that are received by the router

Para obter mais informações, consulte o [Guia de solução de problemas de fax relay](#).

[comandos show](#)


```
vdt1-5300-7a# show call history fax brief
<ID>: <start>hs.<index> +<connect> +<disc> pid:<peer_id> <direction> <addr>
dur hh:mm:ss tx:<packets>/<bytes> rx:<packets>/<bytes> <disc-cause>(<text>)
IP <ip>:<udp> rtt:<time>ms pl:<play>/<gap>ms lost:<lost>/<early>/<late>
delay:<last>/<min>/<max>ms <codec>
MODEMPASS <method> buf:<fills>/<drains> loss <overall%> <multipkt>/<corrected>
last <buf event time>s dur:<Min>/<Max>s
FR <protocol> [int dlci cid] vad:<y/n> dtmf:<y/n> seq:<y/n>
<codec> (payload size)
ATM <protocol> [int vpi/vci cid] vad:<y/n> dtmf:<y/n> seq:<y/n>
<codec> (payload size)
Telephony <int>: tx:<tot>/<voice>/<fax>ms <codec> noise:<lvl>dBm acom:<lvl>dBm
Proxy <ip>:<audio udp>,<video udp>,<tcp0>,<tcp1>,<tcp2>,<tcp3> endpt: <type>/<manf>
bw: <req>/<act> codec: <audio>/<video>
tx: <audio pkts>/<audio bytes>,<video pkts>/<video bytes>,<t120 pkts>/<t120 bytes>
rx: <audio pkts>/<audio bytes>,<video pkts>/<video bytes>,<t120 pkts>/<t120 bytes>
```

Telephony call-legs: 3

SIP call-legs: 0

H323 call-legs: 0

Total call-legs: 5

1225 : 374672hs.31 +2 +1367 pid:8913180 Answer 8915510

dur 00:00:13 tx:7/124 rx:104/693 10 :1F (normal call clearing (16):normal,
unspecified (31): User abort)

Telephony 0:D:61: tx:0/0/0ms 14400 noise:0dBm acom:0dBm

122B : 401714hs.32 +100 +2966 pid:1 Originate andy@testlab-t37.com

dur 00:00:28 tx:50942/0 rx:0/0 10 :0 (normal call clearing (16):)

IP 172.18.106.36 AcceptedMime:0 DiscardedMime:0

1229 : 400917hs.33 +1 +4108 pid:8913180 Answer 8915510

dur 00:00:41 tx:11/164 rx:760/45251 10 :10 (normal call clearing (16):normal
call clearing (16): Normal conn)

Telephony 0:D:64: tx:0/0/0ms 14400 noise:0dBm acom:0dBm

1230 : 439580hs.34 +100 +2971 pid:1 Originate andy@testlab-t37.com

dur 00:00:28 tx:50942/0 rx:0/0 10 :0 (normal call clearing (16):)

IP 172.18.106.36 AcceptedMime:0 DiscardedMime:0

122E : 438783hs.35 +1 +4109 pid:8913180 Answer 8915510

dur 00:00:41 tx:11/164 rx:761/45256 10 :10 (normal call clearing (16):normal
call clearing (16): Normal conn)

Telephony 0:D:68: tx:0/0/0ms 14400 noise:0dBm acom:0dBm

[Informações Relacionadas](#)

- [T.37 OffRamp Faxing](#)
- [Fax sobre IP T.37 Store and Forward Fax](#)
- [Suporte à Tecnologia de Voz](#)
- [Suporte aos produtos de Voz e Comunicações Unificadas](#)
- [Troubleshooting da Telefonia IP Cisco](#)
- [Suporte Técnico - Cisco Systems](#)