

Отправка факса OffRamp T.37

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Введение

Этот раздел основного документа [Store и Forward Fax T.37 FAX over IP](#) фокусируется на отправляющем факсом хранении и пересылке OffRamp. OffRamp T.37 является процессом, которым шлюз принимает электронную почту, преобразовывает ту электронную почту в факс, и затем отправляет ее через голосовой порт.

Этот документ содержит необходимую конфигурацию, должен был получить в рабочем состоянии функцию. Раздел [Устранения неполадок](#) пробегается через полезные **команды отладки** и как интерпретировать их значение. Используемую топологию показывают в разделе [Диаграммы сети](#).

Предварительные условия

Требования

Определенные требования для этого документа заданы в основном разделе, [Store и Forward Fax T.37 FAX over IP](#).

Используемые компоненты

Настоящий документ не имеет жесткой привязки к каким-либо конкретным версиям программного обеспечения и оборудования.

Сведения, представленные в этом документе, были получены от устройств, работающих в

специальной лабораторной среде. Все устройства, описанные в этом документе, были запущены с чистой (стандартной) конфигурацией. В рабочей сети необходимо изучить потенциальное воздействие всех команд до их использования.

Условные обозначения

[Дополнительные сведения об условных обозначениях см. в документе Технические рекомендации Cisco. Условные обозначения.](#)

!--- конфигурацию

В разделах ниже, сначала объяснены параметры конфигурации программного обеспечения Cisco IOS, относящиеся к конфигурации факса OffRamp, и затем 5300 конфигураций отображены с дальнейшими примечаниями, разъяснив функции важных команд.

Схема сети

В данном документе используется сетевая установка, показанная на следующей схеме.



Параметры конфигурации

Ниже общие команды, используемые в конфигурации OffRamp шлюза:

Обязательные параметры:	
<u>fax interface-type fax-mail</u>	Добавляет функциональность T.37 для шлюза. Требуется перезагрузка на этих 5300, но не 5350 или 5400.
<u>mta receive aliases</u>	Определяет имя хоста, которое будет использоваться в качестве псевдонима для шлюза OffRamp. До десяти могут быть определены. Если имя хоста назначения входящей почты совпадает с псевдонимом, шлюз принимает входящую почту.
<u>mta receive maximum-recipients</u>	Определяет максимальное число одновременных получателей Протокола SMTP, обрабатываемых этим шлюзом.
<u>mmpip номера dial-peer voice</u>	Команда приложения передачи сообщений через шлюз обращается к команде названия call application voice . Название совпадает с offramp. Команда

приложение передачи сообщений через шлюз incoming called-number information-type fax	incoming called-number используется для соответствия с этой Мультимедийной почтой поверх IP (MMoIP) входящий узел. Команда information-type fax определяет вызовы, привязанные к этому узлу, как являющемуся передачами факса.
команда call application voice name location	Определяет глобальное название для приложения (offramp, в этом случае) и его местоположение (на внешнем сервере TFTP, в этом случае).
Необязательные параметры:	
fax send transmitting-subscriber	Определяет идентификацию передающего абонента (TSI).
fax send center-header fax send left-header fax send right-header	Имеются следующие варианты: { \$a\$ \$d\$ \$p\$ \$s\$ \$t\$ строка} <ul style="list-style-type: none"> • \$a\$ — Дата • \$d\$ — Адрес назначения (DA) • \$s\$ — адрес Отправителя • \$p\$ — количество Страницы • \$t\$ — Время передачи Используйте <i>аргумент строки</i> в этой команде для вставки персонализированной текстовой строки.
факс передает титульный лист	Имеются следующие варианты: <ul style="list-style-type: none"> • enable — Позволяет шлюзу OffRamp передать титульный лист. • комментарий — Добавляет персонализированные комментарии к титульному листу. • показывать-подробность — Распечатывает весь почтовый заголовок как часть титульного листа.
mta receive generate-mdn	Позволяет шлюзу OffRamp ответить на запросы уведомления о размещении сообщения (MDN).

[Конфигурация OffRamp](#)

Электронные письма были посланы от Outlook Express до шлюза OffRamp (vdtl-5350-8a) и передавались многим назначениям.

```
vdtl-5350-8a# show run Building configuration... Current configuration : 6415 bytes !! version
12.2 service timestamps debug datetime msec localtime service timestamps log datetime msec
localtime no service password-encryption ! hostname vdtl-5350-8a ! boot system flash c5350-is-
```

```

mz.122-7.6.T1 enable secret 5 $1$MmyY$IQ30W1Yfd9xjOJj5lYaC7. ! ! resource-pool disable clock
timezone EST -5 ! ! ip subnet-zero ip cef ip domain-name testlab-t37.com ip name-server
172.18.106.36 ! isdn switch-type primary-5ess ! ! fax send transmitting-subscriber $$ $ fax send
left-header $t$ fax send center-header $$ $ fax send right-header $p$ fax send coverpage enable
fax send coverpage show-detail fax send coverpage comment vdtl-5350-8a Offramp Cover Page fax
interface-type fax-mail mta receive aliases vdtl-5350-8a.testlab-t37.com mta receive aliases
15.80.8.107 mta receive maximum-recipients 100 call-history-mib retain-timer 500 call-history-
mib max-size 500 ! controller T1 3/0 framing esf linecode b8zs pri-group timeslots 1-24 ! !
interface FastEthernet0/0 ip address 15.80.8.107 255.255.255.0 ! interface Serial3/0:23 no ip
address isdn switch-type primary-5ess isdn incoming-voice modem ! interface Async1/00 no ip
address ! interface Async1/107 no ip address ! interface Group-Async0 no ip address no group-
range ! ip classless ip route 0.0.0.0 0.0.0.0 15.80.8.1 no ip http server ip pim bidir-enable !
! call rsvp-sync ! call application voice offramp
tftp://172.18.106.10/fax/offramp/app_libretto_offramp.2.0.1.1.tcl ! voice-port 3/0:D ! ! mgcp
profile default ! dial-peer voice 9813182 pots incoming called-number 9813182 destination-
pattern 9[2-9]..... direct-inward-dial port 3/0:D forward-digits all ! dial-peer voice 1 mmoip
application offramp incoming called-number 9..... information-type fax ! ! line con 0 exec-
timeout 0 0 line aux 0 line vty 0 4 password ww login line 1/00 1/107 no flush-at-activation
modem InOut ! scheduler allocate 10000 400 ntp clock-period 17179848 ntp server 172.18.106.15
end vdtl-5350-8a#

```

Устранение неполадок

Этот документ является продолжением [Получения факса через почтовый сервер T.37](#). Большинство Справочников по командам, перечисленных в том документе, также используется для Отправки факса через шлюз. См. тот документ для получения дополнительной информации.

Отказавшие отладки

Это журналы **результатов выполнения команды debug** от неуспешного факса - вызова. Эта команда отладки была выполнена на шлюзе Cisco 5350, который действует как шлюз факса OffRamp для сети в данном примере.

```

vdtl-5350-8a# debug mta receive all All email receive debugging is on vdtl-5350-8a# Mar 26
12:15:02.372: esmtp_server_work: calling ehlo Mar 26 12:15:02.780: esmtp_server_work: calling
mail Mar 26 12:15:03.280: esmtp_server_work: calling rcpt Mar 26 12:15:03.780:
esmtp_server_work: calling data Mar 26 12:15:04.280: (S)R: 'Received: from andyw2k
([172.18.106.183]) by vnt-smtp.testlab-t37.com with Microsoft SMTPSVC(5.0.2195.4453);' Mar 26
12:15:04.280: (S)R: ' Tue, 26 Mar 2002 12:13:50 -0500' Mar 26 12:15:04.280: (S)R: 'Message-ID:
<000301c1d4e9$3c3a937c0$b76a12ac@amer.cisco.com>' Mar 26 12:15:04.280: (S)R: 'From: "Andy"
<andy@testlab-t37.com>' Mar 26 12:15:04.280: (S)R: 'To: <FAX=98915510@vdtl-5350-8a.testlab-
t37.com>' Mar 26 12:15:04.280: (S)R: 'Subject: test email with WinFax Pro...' Mar 26
12:15:04.284: (S)R: 'MIME-Version: 1.0' Mar 26 12:15:04.284: (S)R: 'Content-Type:
multipart/mixed;' Mar 26 12:15:04.284: (S)R: '
boundary="/en/US/docs/net_mgmt/wan_service_administrator/1.1/administrator/guide/getstart.html=_
NextPart_000_0000_01C1D4BF.DABAC5C0"' Mar 26 12:15:04.284: (S)R: 'X-Mailer: Microsoft Outlook
Express 6.00.2600.0000' Mar 26 12:15:04.284: (S)R: 'X-MimeOLE: Produced By Microsoft MimeOLE
V6.00.2600.0000' Mar 26 12:15:04.284: (S)R: 'Return-Path: andy@testlab-t37.com' Mar 26
12:15:04.284: (S)R: 'X-OriginalArrivalTime: 26 Mar 2002 17:13:50.0153 (UTC)
FILETIME=[98F1B390:01C1D4E9]' Mar 26 12:15:04.284: (S)R: 'Date: 26 Mar 2002 12:13:50 -0500' Mar
26 12:15:04.284: (S)R: '' Mar 26 12:15:04.284: esmtp_server_engine_new_part: Field name :
message-id: Field Value : <000301c1d4e9$3c3a937c0$b76a12ac@amer.cisco.com> Field name : from:
Field Value : "Andy" <andy@testlab-t37.com> Field name : to: Field Value : <FAX=98915510@vdtl-
5350-8a.testlab-t37.com> Field name : subject: Field Value : test email with WinFax Pro... Field
name : Content-Type: Field Value : multipart/mixed;
boundary="/en/US/docs/net_mgmt/wan_service_administrator/1.1/administrator/guide/getstart.html=_
NextPart_000_0000_01C1D4BF.DABAC5C0" Field name : date: Field Value : 26 Mar 2002 12:13:50 -0500
Mar 26 12:15:04.284: (S)R: 'Content-Type: text/plain;'
Mar 26 12:15:04.284: (S)R: ' charset="iso-8859-1"'

```

```

Mar 26 12:15:04.284: (S)R: 'Content-Transfer-Encoding: quoted-printable'
Mar 26 12:15:04.284: (S)R: ''
Mar 26 12:15:04.284: esmtp_server_engine_new_part: Field name : Content-Type:
  Field Value : text/plain; charset="iso-8859-1"
Field name : Content-Transfer-Encoding: Field Value : quoted-printable Mar 26 12:15:04.284:
esmtp_server_work: freeing temp header
Mar 26 12:15:04.284: (S)R: 'Content-Type: application/x-msdownload;'
Mar 26 12:15:04.284: (S)R: ' name="FAX2B.exe"'
Mar 26 12:15:04.284: (S)R: 'Content-Transfer-Encoding: base64'
Mar 26 12:15:04.284: (S)R: 'Content-Disposition: attachment;'
Mar 26 12:15:04.284: (S)R: ' filename="FAX2B.exe"'
Mar 26 12:15:04.284: (S)R: ''
Mar 26 12:15:04.284: esmtp_server_engine_new_part: Field name : Content-Type:
  Field Value : application/x-msdownload; name="FAX2B.exe"
Field name : Content-Transfer-Encoding: Field Value : base64 Mar 26 12:15:04.284:
esmtp_server_work: freeing temp header
Mar 26 12:15:04.288: esmtp_server_work: Unrecognized/handled MIME content
  type rejected
Mar 26 12:15:04.600: (S)R: ''
Mar 26 12:15:04.600: esmtp_server_engine_new_part:
Mar 26 12:15:04.600: esmtp_server_work: freeing temp header
Mar 26 12:15:04.600: esmtp_server_dot_check: Found the terminating Dot!
Mar 26 12:15:04.600: rejectMessage:
Mar 26 12:15:22.052: esmtp_server_engine_update_recipient_status: status=7
Mar 26 12:16:09.156: esmtp_server_engine_get_statistics: ctx=0x6363AA38,
  smtpStatus=14
Mar 26 12:16:09.156: esmtp_server_engine_update_recipient_status: status=24
Mar 26 12:16:19.600: esmtp_server_engine_generate_notification:
Mar 26 12:16:20.264: esmtp_server_work: calling quit
Mar 26 12:16:20.264: esmtp_server_closesocket: esmtp_server: closing socket 1
Mar 26 12:16:20.264: esmtp_server_engine_clear_state:
Mar 26 12:16:20.264: freeing RECIPIENT context
  (envelope=FAX=98915510@vdtl-5350-8a.testlab-t37.com)
Mar 26 12:16:20.264: esmtp_server_work: Freeing SMTP ctx at 0x6363AA38
Mar 26 12:16:20.264: esmtp_server: returned from work, context freed
vdtl-5350-8a#

```

Рабочие отладки

Это журналы результатов выполнения команды **debug** от успешного факса - вызова. Команды отладки были снова выполнены на шлюзе Cisco 5350, который является шлюзом факса OffRamp в данном примере.

```

vdtl-5350-8a# debug mta receive all All email receive debugging is on vdtl-5350-8a# Mar 26
11:20:17.231: esmtp_server_work: calling ehlo Mar 26 11:20:17.683: esmtp_server_work: calling
mail Mar 26 11:20:18.183: esmtp_server_work: calling rcpt Mar 26 11:20:18.683:
esmtp_server_work: calling data Mar 26 11:20:19.183: (S)R: 'Received: from andyw2k
([172.18.106.183]) by vnt-smtp.testlab-t37.com with Microsoft SMTPSVC(5.0.2195.4453);' Mar 26
11:20:19.187: (S)R: ' Tue, 26 Mar 2002 11:19:05 -0500' Mar 26 11:20:19.187: (S)R: 'Message-ID:
<000901c1d4e2$1d55bc60$b76a12ac@amer.cisco.com>' Mar 26 11:20:19.187: (S)R: 'Reply-To: "Andy"
<andy@testlab-t37.com>' Mar 26 11:20:19.187: (S)R: 'From: "Andy" <andy@testlab-t37.com>' Mar 26
11:20:19.187: (S)R: 'To: <FAX=98915510@vdtl-5350-8a.testlab-t37.com>' Mar 26 11:20:19.187: (S)R:
'Subject: Test fax ' Mar 26 11:20:19.187: (S)R: 'Date: Tue, 26 Mar 2002 11:20:16 -0500' Mar 26
11:20:19.187: (S)R: 'MIME-Version: 1.0' Mar 26 11:20:19.187: (S)R: 'Content-Type:
multipart/mixed;' Mar 26 11:20:19.187: (S)R: '
boundary="/en/US/docs/net_mgmt/wan_service_administrator/1.1/administrator/guide/getstart.html=_
NextPart_000_0005_01C1D4B8.34737F60"' Mar 26 11:20:19.187: (S)R: 'X-Priority: 3' Mar 26
11:20:19.187: (S)R: 'X-MSMail-Priority: Normal' Mar 26 11:20:19.187: (S)R: 'X-Mailer: Microsoft
Outlook Express 6.00.2600.0000' Mar 26 11:20:19.187: (S)R: 'X-MimeOLE: Produced By Microsoft
MimeOLE V6.00.2600.0000' Mar 26 11:20:19.187: (S)R: 'Return-Path: andy@testlab-t37.com' Mar 26
11:20:19.187: (S)R: 'X-OriginalArrivalTime: 26 Mar 2002 16:19:05.0120 (UTC)
FILETIME=[F2E97200:01C1D4E1]' Mar 26 11:20:19.187: (S)R: '' Mar 26 11:20:19.187:

```

esmtplib_server_engine_new_part: Field name : message-id: Field Value :
<000901c1d4e25d1d55bc605b76a12ac@amer.cisco.com> Field name : from: Field Value : "Andy"
<andy@testlab-t37.com> Field name : to: Field Value : <FAX=98915510@vdtl-5350-8a.testlab-
t37.com> Field name : subject: Field Value : Test fax Field name : date: Field Value : Tue, 26
Mar 2002 11:20:16 -0500 Field name : Content-Type: Field Value : multipart/mixed;
boundary="/en/US/docs/net_mgmt/wan_service_administrator/1.1/administrator/guide/getstart.html=_
NextPart_000_0005_01C1D4B8.34737F60" Mar 26 11:20:19.187: (S)R: 'Content-Type:
multipart/alternative;'
Mar 26 11:20:19.187: (S)R: '
boundary="/en/US/docs/net_mgmt/wan_service_administrator/1.1/administrator/guide/getstart.html=_
NextPart_001_0006_01C1D4B8.34737F60" '
Mar 26 11:20:19.187: (S)R: ''
Mar 26 11:20:19.187: esmtplib_server_engine_new_part: Field name : Content-Type:
Field Value : multipart/alternative;
boundary="/en/US/docs/net_mgmt/wan_service_administrator/1.1/administrator/guide/getstart.html=_
NextPart_001_0006_01C1D4B8.34737F60" Mar 26 11:20:19.191: esmtplib_server_work: freeing temp header
Mar 26 11:20:19.191: (S)R: 'Content-Type: text/plain;'
Mar 26 11:20:19.191: (S)R: ' charset="iso-8859-1" '
Mar 26 11:20:19.191: (S)R: 'Content-Transfer-Encoding: quoted-printable'
Mar 26 11:20:19.191: (S)R: ''
Mar 26 11:20:19.191: esmtplib_server_engine_new_part: Field name : Content-Type:
Field Value : text/plain; charset="iso-8859-1"
Field name : Content-Transfer-Encoding: Field Value : quoted-printable Mar 26 11:20:19.191:
esmtplib_server_work: freeing temp header
Mar 26 11:20:19.191: (S)R: 'Content-Type: text/html;'
Mar 26 11:20:19.191: (S)R: ' charset="iso-8859-1" '
Mar 26 11:20:19.191: (S)R: 'Content-Transfer-Encoding: quoted-printable'
Mar 26 11:20:19.191: (S)R: ''
Mar 26 11:20:19.191: esmtplib_server_engine_new_part: Field name : Content-Type:
Field Value : text/html; charset="iso-8859-1"
Field name : Content-Transfer-Encoding: Field Value : quoted-printable Mar 26 11:20:19.191:
esmtplib_server_work: freeing temp header
Mar 26 11:20:19.191: (S)R: ''
Mar 26 11:20:19.191: esmtplib_server_engine_new_part:
Mar 26 11:20:19.191: esmtplib_server_work: freeing temp header
Mar 26 11:20:19.191: (S)R: 'Content-Type: text/plain;'
Mar 26 11:20:19.191: (S)R: ' name="New Text Document.txt" '
Mar 26 11:20:19.191: (S)R: 'Content-Transfer-Encoding: quoted-printable'
Mar 26 11:20:19.191: (S)R: 'Content-Disposition: attachment;'
Mar 26 11:20:19.191: (S)R: ' filename="New Text Document.txt" '
Mar 26 11:20:19.191: (S)R: ''
Mar 26 11:20:19.191: esmtplib_server_engine_new_part: Field name : Content-Type:
Field Value : text/plain; name="New Text Document.txt"
Field name : Content-Transfer-Encoding: Field Value : quoted-printable Mar 26 11:20:19.191:
esmtplib_server_work: freeing temp header
Mar 26 11:20:19.195: esmtplib_server_engine_update_recipient_status: status=6
Mar 26 11:20:36.295: esmtplib_server_engine_update_recipient_status: status=7
Mar 26 11:20:36.347: esmtplib_server_engine_update_recipient_status: status=6
Mar 26 11:21:19.975: esmtplib_server_engine_update_recipient_status: status=7
Mar 26 11:21:34.195: (S)R: ''
Mar 26 11:21:34.195: esmtplib_server_engine_new_part:
Mar 26 11:21:34.195: esmtplib_server_work: freeing temp header
Mar 26 11:21:34.195: esmtplib_server_dot_check: Found the terminating Dot!
Mar 26 11:21:34.275: esmtplib_server_engine_update_recipient_status: status=6
Mar 26 11:22:40.491: esmtplib_server_engine_update_recipient_status: status=7
Mar 26 11:22:58.379: esmtplib_server_engine_get_statistics: ctx=0x63624708, smtpStatus=14
Mar 26 11:22:58.379: esmtplib_server_engine_update_recipient_status: status=24
Mar 26 11:23:04.195: esmtplib_server_engine_generate_notification:
Mar 26 11:23:04.699: esmtplib_server_work: calling quit
Mar 26 11:23:04.699: esmtplib_server_closesocket: esmtplib_server: closing socket 1
Mar 26 11:23:04.699: esmtplib_server_engine_clear_state:
Mar 26 11:23:04.699: freeing RECIPIENT context
(envelope=FAX=98915510@vdtl-5350-8a.testlab-t37.com)

Mar 26 11:23:04.699: esmtp_server_work: Freeing SMTP ctx at 0x63624708
Mar 26 11:23:04.699: esmtp_server: returned from work, context freed
vdtl-5350-8a#vdtl-5350-8a# **debug foip off-ramp** FOIP Off ramp faxmail debugging is on vdtl-5350-8a#
vdtl-5350-8a# vdtl-5350-8a# Mar 26 11:27:57.667: lapp off: CC_EV_CALL_HANDOFF, cid(0xA7) Mar 26 11:27:57.667: loffHandoff: called number=98915510, callid=0xA7 Mar 26 11:27:57.667: loffSetupPeer: cid1(0xA7) Mar 26 11:27:57.667: destPat(98915510),matched(1),pref(),tag(9913182),encap(1) Mar 26 11:27:57.759: lapp off: CC_EV_CALL_PROCEEDING, cid(0xA8) Mar 26 11:27:57.875: lapp off: CC_EV_CALL_ALERT, cid(0xA8) Mar 26 11:28:07.487: lapp off: CC_EV_CALL_CONNECTED, cid(0xA8) Mar 26 11:28:07.487: st=CALL_SETTING cid(0xA7,0x0,0x0,0xA8),cfid(0x0,0x0,0x0) Mar 26 11:28:07.487: loffConnected Mar 26 11:28:07.487: loffFlushPeerTagQueue cid(167) peer list: (empty) Mar 26 11:28:07.487: lapp off: CC_EV_CONF_CREATE_DONE, cid(0xA8), cid2(0xA9), cfid(0x5F) Mar 26 11:28:07.487: st=CONFERENCING3 cid(0xA7,0x0,0xA9,0xA8),cfid(0x0,0x0,0x5F) Mar 26 11:28:07.487: loffConfDone3 Mar 26 11:28:15.419: lapp off: CC_EV_FROM_FMSP_ON_CALL_DETAIL, cid(0xA9) Mar 26 11:28:15.419: st=WAIT_SESS_INFO cid(0xA7,0x0,0xA9,0xA8),cfid(0x0,0x0,0x5F) Mar 26 11:28:15.419: loffSessionInfo Mar 26 11:28:15.419: encd=1, resl=2, spd=27, min_scan_len=0, csid= andy-pc fax Mar 26 11:28:15.419: lapp off: CC_EV_CONF_CREATE_DONE, cid(0xA9), cid2(0xAA), cfid(0x60) Mar 26 11:28:15.419: st=CONFERENCING2 cid(0xA7,0xAA,0xA9,0xA8),cfid(0x0,0x60,0x5F) Mar 26 11:28:15.419: loffConfDone2 Mar 26 11:28:15.419: loff_edit_cover_page: from_personal_name: 0, [] Mar 26 11:28:15.419: loff_edit_cover_page: 0, [] Mar 26 11:28:15.419: loff_edit_cover_page: [andy@testlab-t37.com] -----
----- Title: vdtl-5350-8a Offramp Cover Page To: 98915510 From: andy@testlab-t37.com Date: Tue, 26 Mar 2002 11:27:55 -0500 Subject: test with a word doc attachment... Details: Received: from andyw2k ([172.18.106.183]) by vnt-smtp.testlab-t37.com with Microsoft SMTPSVC(5.0.2195.44) Message-ID: <001301c1d4e3\$2f020210\$b76a12ac@amer.cisco.com> Reply-To: "Andy" <andy@testlab-t37.com> From: Andy" <andy@testlab-t37.com> To: <FAX=98915510@vdtl-5350-8a.testlab-t37.com> Subject: test with a word doc attachment... Date: Tue, 26 Mar 2002 11:27:55 -0500 MIME-Version: 1.0 Content-Type: multipart/mixed; boundary "====_NextPart_000_000F_01C1D4B9.46214BB0" X-Priority: 3 X-MSMail-Priority: Normal X-Mailer: Microsoft Outlook Express 6.00.2600.0000 X-MimeOLE: Produced By Microsoft MimeOLE V6.00.2600.0000 Return-Path: andy@testlab-t37.com X-OriginalArrivalTime: 26 Mar 2002 16:26:43.0619 (UTC) FILETIME=[0432D730:01C1D4E3] -----
----- Mar 26 11:28:15.419: lapp off: CC_EV_CONF_CREATE_DONE, cid(0xAA), cid2(0xA7), cfid(0x61) Mar 26 11:28:15.419: st=CONFERENCING1 cid(0xA7,0xAA,0xA9,0xA8),cfid(0x61,0x60,0x5F) Mar 26 11:28:15.419: loffConfDone1 Mar 26 11:28:15.451: lapp off: CC_EV_FROM_DMSP_ON_PAGE_PROCESSED, cid(0xAA): page number (0x1) Mar 26 11:28:15.451: lapp off: CC_EV_GENERATE_PAGE_RSP, cid(0xAA) Mar 26 11:28:15.451: lapp off: CC_EV_FROM_DMSP_ON_PAGE_PROCESSED, cid(0xAA): page number (0x2) Mar 26 11:28:51.875: lapp off: CC_EV_CALL_DISCONNECTED, cid(0xA9) Mar 26 11:28:51.875: cause 0x10(normal call clearing (16)) Mar 26 11:28:51.875: st=CONFERENCED cid(0xA7,0xAA,0xA9,0xA8),cfid(0x61,0x60,0x5F) Mar 26 11:28:51.875: loffDisconnected Mar 26 11:28:51.875: loffSetDiscCause: cause=normal call clearing (16) Mar 26 11:28:51.875: loffRemoveConf Mar 26 11:28:51.875: lapp off: CC_EV_CONF_DESTROY_DONE, cid(0xAA), cid2(0xA7), cfid(0x61) Mar 26 11:28:51.875: st=CONF_REMOVING cid(0xA7,0xAA,0xA9,0xA8),cfid(0x61,0x60,0x5F) Mar 26 11:28:51.875: loffConfRemoving: cfid=0x61, cnt=3 Mar 26 11:28:51.875: lapp off: CC_EV_CONF_DESTROY_DONE, cid(0xA9), cid2(0xAA), cfid(0x60) Mar 26 11:28:51.879: st=CONF_REMOVING cid(0xA7,0xAA,0xA9,0xA8),cfid(0x0,0x60,0x5F) Mar 26 11:28:51.879: loffConfRemoving: cfid=0x60, cnt=2 Mar 26 11:28:51.879: lapp off: CC_EV_CONF_DESTROY_DONE, cid(0xA8), cid2(0xA9), cfid(0x5F) Mar 26 11:28:51.879: st=CONF_REMOVING cid(0xA7,0xAA,0xA9,0xA8),cfid(0x0,0x0,0x5F) Mar 26 11:28:51.879: loffConfRemoving: cfid=0x5F, cnt=1 Mar 26 11:28:51.879: loffDisconnect4 cid=0xA8 Mar 26 11:28:54.363: loff_call_history: cid=0xA8,(0xA7,0xAA,0xA9,0xA8) Mar 26 11:28:54.363: lapp off: CC_EV_CALL_DISCONNECT_DONE, cid(0xA8) Mar 26 11:28:54.363: st=WAIT_DISC_DONE4 cid(0xA7,0xAA,0xA9,0xA8),cfid(0x0,0x0,0x0) Mar 26 11:28:54.363: loffWaitDiscDone4

Mar 26 11:28:54.363: loff_call_history: cid=0xA9,(0xA7,0xAA,0xA9,0x0)
Mar 26 11:28:54.363: lapp off: CC_EV_CALL_DISCONNECT_DONE, cid(0xA9)
Mar 26 11:28:54.363: st=DISCONNECTING cid(0xA7,0xAA,0xA9,0x0),cfid(0x0,0x0,0x0)
Mar 26 11:28:54.363: loffDisconnecting
Mar 26 11:28:54.363: loff_call_history: cid=0xAA,(0xA7,0xAA,0x0,0x0)
Mar 26 11:28:54.363: lapp off: CC_EV_CALL_DISCONNECT_DONE, cid(0xAA)
Mar 26 11:28:54.363: st=DISCONNECTING cid(0xA7,0xAA,0x0,0x0),cfid(0x0,0x0,0x0)
Mar 26 11:28:54.363: loffDisconnecting
Mar 26 11:28:54.363: loff_call_history: cid=0xA7,(0xA7,0x0,0x0,0x0)
Mar 26 11:28:54.363: lapp off: CC_EV_CALL_DISCONNECT_DONE, cid(0xA7)
Mar 26 11:28:54.363: st=DISCONNECTING cid(0xA7,0x0,0x0,0x0),cfid(0x0,0x0,0x0)
Mar 26 11:28:54.363: loffDisconnecting
Mar 26 11:28:54.363: loffFinishedvdtl-5350-8a# **debug fmsp send t30** FMSP send t30 debugging is on
vdtl-5350-8a# **debug fmsp receive t30** FMSP receive t30 debugging is on vdtl-5350-8a# Mar 26
11:43:29.570: t30 call4Leg=173, state=4, substate=7 Mar 26 11:43:29.570: fax2_command_receive:
NO_COMMAND, T1 timer is not expired Mar 26 11:43:33.622: t30 call4Leg=173, state=4, substate=7
Mar 26 11:43:33.622: received flag of modulation: 0 Mar 26 11:43:33.622: t30 call4Leg=173,
state=4, substate=7 Mar 26 11:43:33.622: fax2_command_receive: NO_COMMAND, T1 timer is not
expired Mar 26 11:43:35.050: t30 call4Leg=173, state=4, substate=7 Mar 26 11:43:35.050:
fax2_command_receive: PROCESSING Mar 26 11:43:35.662: msg dump:FF C0 2 1E 86 66 4 C6 E B4 9E A6
36 2E 96 16 EE B6 4 4 4 4 4 Mar 26 11:43:35.662: Mar 26 11:43:35.662: t30 call4Leg=173, state=4,
substate=7 Mar 26 11:43:35.662: received: CSI remote id string: andy-pc fax Mar 26 11:43:35.662:
t30 call4Leg=173, state=4, substate=7
Mar 26 11:43:35.662: fax2_command_receive: PROCESSING
Mar 26 11:43:35.930: t30 call4Leg=173, state=4, substate=7
Mar 26 11:43:35.930: fax2_command_receive: PROCESSING
Mar 26 11:43:36.198: msg dump:FF C8 1 0 76 1F 1 1 9 0
Mar 26 11:43:36.198:
Mar 26 11:43:36.198: t30 call4Leg=173, state=4, substate=7
Mar 26 11:43:36.198: fax2_command_receive: PROCESSING
Mar 26 11:43:36.326: t30 call4Leg=173, state=4, substate=19
Mar 26 11:43:36.326: received DIS_PACKET: BR: 9, resolution: 1,
encoding : 0, min scan line length : 0, remote_id_string: andy-pc fax
Mar 26 11:43:36.326: t30 call4Leg=173, state=4, substate=21
Mar 26 11:43:36.330: send DCS_PACKET: BR: 9, resolution: 1,
encoding : 0, local_id_string:
Mar 26 11:43:36.330: msg dump:FF C8 C1 0 46 1E
Mar 26 11:43:36.330:
Mar 26 11:43:36.330: t30 call4Leg=173, state=4, substate=24
Mar 26 11:43:36.330: fax2_response_receive: PROCESSING
Mar 26 11:43:41.834: t30 call4Leg=173, state=4, substate=24
Mar 26 11:43:41.834: received flag of modulation:
0
Mar 26 11:43:41.834: t30 call4Leg=173, state=4, substate=24
Mar 26 11:43:41.834: fax2_response_receive: PROCESSING
Mar 26 11:43:42.670: t30 call4Leg=173, state=4, substate=24
Mar 26 11:43:42.670: fax2_response_receive: PROCESSING
Mar 26 11:43:42.750: msg dump:FF C8 21
Mar 26 11:43:42.750:
Mar 26 11:43:42.750: t30 call4Leg=173, state=4, substate=24
Mar 26 11:43:42.750: fax2_response_receive: PROCESSING
Mar 26 11:43:42.890: t30 call4Leg=173, state=4, substate=24
Mar 26 11:43:42.890: in response receive WAIT FOR CD
Mar 26 11:43:42.890: t30 call4Leg=173, state=4, substate=25
Mar 26 11:43:42.894: received CFR
Mar 26 11:43:49.290: t30 call4Leg=173, state=5, substate=44
Mar 26 11:43:49.290: throttling tx data, buffered data is
61
Mar 26 11:44:00.794: t30 call4Leg=173, state=6, substate=31
Mar 26 11:44:00.794: send MPS
Mar 26 11:44:00.794: t30 call4Leg=173, state=6, substate=32
Mar 26 11:44:00.794: fax2_response_receive: PROCESSING
Mar 26 11:44:03.222: t30 call4Leg=173, state=6, substate=32

Mar 26 11:44:03.222: received flag of modulation:
0
Mar 26 11:44:03.222: t30 call4Leg=173, state=6, substate=32
Mar 26 11:44:03.226: fax2_response_receive: PROCESSING
Mar 26 11:44:04.066: t30 call4Leg=173, state=6, substate=32
Mar 26 11:44:04.066: fax2_response_receive: PROCESSING
Mar 26 11:44:04.146: msg dump:FF C8 31
Mar 26 11:44:04.146:
Mar 26 11:44:04.146: t30 call4Leg=173, state=6, substate=32
Mar 26 11:44:04.146: fax2_response_receive: PROCESSING
Mar 26 11:44:04.294: t30 call4Leg=173, state=6, substate=32
Mar 26 11:44:04.294: in response receive WAIT FOR CD
Mar 26 11:44:04.294: t30 call4Leg=173, state=6, substate=33
Mar 26 11:44:04.294: received MCF
Mar 26 11:44:32.494: t30 call4Leg=173, state=6, substate=31
Mar 26 11:44:32.494: send MPS
Mar 26 11:44:32.494: t30 call4Leg=173, state=6, substate=32
Mar 26 11:44:32.494: fax2_response_receive: PROCESSING
Mar 26 11:44:34.950: t30 call4Leg=173, state=6, substate=32
Mar 26 11:44:34.950: received flag of modulation:
0
Mar 26 11:44:34.950: t30 call4Leg=173, state=6, substate=32
Mar 26 11:44:34.950: fax2_response_receive: PROCESSING
Mar 26 11:44:35.786: t30 call4Leg=173, state=6, substate=32
Mar 26 11:44:35.786: fax2_response_receive: PROCESSING
Mar 26 11:44:35.870: msg dump:FF C8 31
Mar 26 11:44:35.870:
Mar 26 11:44:35.870: t30 call4Leg=173, state=6, substate=32
Mar 26 11:44:35.870: fax2_response_receive: PROCESSING
Mar 26 11:44:36.018: t30 call4Leg=173, state=6, substate=32
Mar 26 11:44:36.018: in response receive WAIT FOR CD
Mar 26 11:44:36.018: t30 call4Leg=173, state=6, substate=33
Mar 26 11:44:36.018: received MCF
Mar 26 11:45:08.118: t30 call4Leg=173, state=6, substate=31
Mar 26 11:45:08.118: send MPS
Mar 26 11:45:08.118: t30 call4Leg=173, state=6, substate=32
Mar 26 11:45:08.118: fax2_response_receive: PROCESSING
Mar 26 11:45:10.778: t30 call4Leg=173, state=6, substate=32
Mar 26 11:45:10.778: received flag of modulation:
0
Mar 26 11:45:10.778: t30 call4Leg=173, state=6, substate=32
Mar 26 11:45:10.778: fax2_response_receive: PROCESSING
Mar 26 11:45:11.618: t30 call4Leg=173, state=6, substate=32
Mar 26 11:45:11.618: fax2_response_receive: PROCESSING
Mar 26 11:45:11.694: msg dump:FF C8 31
Mar 26 11:45:11.694:
Mar 26 11:45:11.694: t30 call4Leg=173, state=6, substate=32
Mar 26 11:45:11.694: fax2_response_receive: PROCESSING
Mar 26 11:45:11.846: t30 call4Leg=173, state=6, substate=32
Mar 26 11:45:11.846: in response receive WAIT FOR CD
Mar 26 11:45:11.846: t30 call4Leg=173, state=6, substate=33
Mar 26 11:45:11.846: received MCF
Mar 26 11:45:30.550: t30 call4Leg=173, state=6, substate=31
Mar 26 11:45:30.550: send MPS
Mar 26 11:45:30.550: t30 call4Leg=173, state=6, substate=32
Mar 26 11:45:30.550: fax2_response_receive: PROCESSING
Mar 26 11:45:33.034: t30 call4Leg=173, state=6, substate=32
Mar 26 11:45:33.034: received flag of modulation:
0
Mar 26 11:45:33.034: t30 call4Leg=173, state=6, substate=32
Mar 26 11:45:33.034: fax2_response_receive: PROCESSING
Mar 26 11:45:33.874: t30 call4Leg=173, state=6, substate=32
Mar 26 11:45:33.874: fax2_response_receive: PROCESSING
Mar 26 11:45:33.950: msg dump:FF C8 31

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Mar 26 11:45:33.950:
Mar 26 11:45:33.950: t30 call4Leg=173, state=6, substate=32
Mar 26 11:45:33.950: fax2_response_receive: PROCESSING
Mar 26 11:45:34.102: t30 call4Leg=173, state=6, substate=32
Mar 26 11:45:34.102: in response receive WAIT FOR CD
Mar 26 11:45:34.102: t30 call4Leg=173, state=6, substate=33
Mar 26 11:45:34.102: received MCF
Mar 26 11:45:39.006: t30 call4Leg=173, state=5, substate=27
Mar 26 11:45:39.006: un-throttling tx data, buffered data is
6
Mar 26 11:45:39.206: t30 call4Leg=173, state=6, substate=31
Mar 26 11:45:39.206: send MPS
Mar 26 11:45:39.206: t30 call4Leg=173, state=6, substate=32
Mar 26 11:45:39.206: fax2_response_receive: PROCESSING
Mar 26 11:45:41.634: t30 call4Leg=173, state=6, substate=32
Mar 26 11:45:41.634: received flag of modulation:
0
Mar 26 11:45:41.634: t30 call4Leg=173, state=6, substate=32
Mar 26 11:45:41.634: fax2_response_receive: PROCESSING
Mar 26 11:45:42.470: t30 call4Leg=173, state=6, substate=32
Mar 26 11:45:42.470: fax2_response_receive: PROCESSING
Mar 26 11:45:42.554: msg dump:FF C8 31
Mar 26 11:45:42.554:
Mar 26 11:45:42.554: t30 call4Leg=173, state=6, substate=32
Mar 26 11:45:42.554: fax2_response_receive: PROCESSING
Mar 26 11:45:42.702: t30 call4Leg=173, state=6, substate=32
Mar 26 11:45:42.702: in response receive WAIT FOR CD
Mar 26 11:45:42.702: t30 call4Leg=173, state=6, substate=33
Mar 26 11:45:42.702: received MCF
Mar 26 11:45:47.602: t30 call4Leg=173, state=6, substate=31
Mar 26 11:45:47.602: send EOP
Mar 26 11:45:47.602: t30 call4Leg=173, state=6, substate=32
Mar 26 11:45:47.602: fax2_response_receive: PROCESSING
Mar 26 11:45:50.022: t30 call4Leg=173, state=6, substate=32
Mar 26 11:45:50.022: received flag of modulation:
0
Mar 26 11:45:50.022: t30 call4Leg=173, state=6, substate=32
Mar 26 11:45:50.022: fax2_response_receive: PROCESSING
Mar 26 11:45:50.866: t30 call4Leg=173, state=6, substate=32
Mar 26 11:45:50.866: fax2_response_receive: PROCESSING
Mar 26 11:45:50.942: msg dump:FF C8 31
Mar 26 11:45:50.942:
Mar 26 11:45:50.946: t30 call4Leg=173, state=6, substate=32
Mar 26 11:45:50.946: fax2_response_receive: PROCESSING
Mar 26 11:45:51.094: t30 call4Leg=173, state=6, substate=32
Mar 26 11:45:51.098: in response receive WAIT FOR CD
Mar 26 11:45:51.098: t30 call4Leg=173, state=6, substate=33
Mar 26 11:45:51.098: received MCF
Mar 26 11:45:51.098: t30 call4Leg=173, state=7, substate=37
Mar 26 11:45:51.098: send DCN_PACKET
Mar 26 11:45:51.098: t30 call4Leg=173, state=0, substate=0
Mar 26 11:45:51.098: terminating with hang-up status: 0
vdt1-5350-8a#
```

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- [Отправка факса OnRamp T.37](#)
- [Передача факсов по протоколу IP: спецификация T.37, сохранение и переадресация факсов](#)
- [Поддержка продуктов Голосовой и Унифицированной связи](#)
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