

音声テレフォニーのサービス プロバイダーによるデバッグ

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概要

この文書では、ファックスを正常に通過させた 1 つのコールに対する debug vtsp all コマンド出力の 2 つのキャプチャを紹介します。最初のキャプチャは T.38 ファックスに対する出力ですが、これは Voice over IP (VoIP) のファックス リレーにも関係しています。この出力結果には、ファックス コーデックがダウンロードされて使用されたかどうかを確認するプロセスを説明するコメントが含まれています。2 番目のデコードは Voice over Frame Relay (VoFR) に対する出力で、コメントはありません。debug vtsp all の出力結果には、T.30 プロトコル側から見た情報の多くは含まれませんが、ルータからの有用な状態情報が提供されます。たとえば次のような情報です。

- ルータがファックス モードになったという確認
- ファックス レート、コーデック、および Error Correction Mode (ECM) が使用されたかどうか
- 終端のゲートウェイが、終端ファックス マシンからのファックス音を受信したことの確認

はじめに

表記法

ドキュメント表記の詳細は、『[シスコ テクニカル ティップスの表記法](#)』を参照してください。

前提条件

このドキュメントに関しては個別の前提条件はありません。

使用するコンポーネント

この文書の情報は主に Cisco IOS ソフトウェア リリース 12.2(5) に基づいていますが、ほとんどの情報は他の Cisco IOS ソフトウェア リリースにも役立ちます。

このマニュアルの情報は、特定のラボ環境に置かれたデバイスに基づいて作成されました。このドキュメントで使用するすべてのデバイスは、初期 (デフォルト) 設定の状態から起動しています。実稼動中のネットワークで作業をしている場合、実際にコマンドを使用する前に、その潜在的な影響について理解しておく必要があります。

ファックス コーデックのダウンロードを示す T.38 の debug vtsp all コマンド

T.38 のファックス リレーに関しては、コールが接続されてルータがファックス音のデバッグを検出した後に、次のようなメッセージが表示されます。

debug vtsp all コマンド

```
!--- Prior to the ccCallConnect message and during the
capabilities !--- exchange phase, the fax_rate message
may be displayed as follows: .Jun 4 21:06:43.677:
cc_api_caps_ack (dstVdbPtr=0x62F07650, dstCallId=0x18,
srcCallId=0x19, caps={codec=0x4, fax_rate=0x2, vad=0x2,
modem=0x0
  codec_bytes=20, signal_type=2})
!--- In this case the fax rate 0x02 refers to the voice
rate, which !--- with this codec (g.729), is less than
or equal to 8 kbps. !--- Listed below are the other
possible fax rate values. !--- Below is a listing of fax
rate values for Cisco IOS Software Release 12.2.x or
earlier: !--- hex value fax rate value !--- 0x2 Voice !-
-- 0x4 14400 !--- 0x8 9600 !--- 0x10 7200 !--- 0x20 4800
!--- 0x40 2400 !--- 0x80 1200 !--- Below is a listing of
new fax rate values for Cisco IOS Software Release
12.3.x or later: !--- Note the hex values now map to
slightly different speeds than the list above. !--- /*
FAX Capabilities Bits */ !--- #define CC_CAP_FAX_NONE
0x01 !--- #define CC_CAP_FAX_VOICE 0x02 !--- #define
CC_CAP_FAX_24 0x04 !--- #define CC_CAP_FAX_48 0x08 !---
#define CC_CAP_FAX_72 0x10 !--- #define CC_CAP_FAX_96
0x20 !--- #define CC_CAP_FAX_120 0x40 !--- #define
CC_CAP_FAX_144 0x80 !--- Usually, after the call is
connected, the ccCallConnect debug !--- message is seen
as follows: .Jun 4 21:06:44.841: ccCallConnect
(callID=0x18), prog_ind = 0 .Jun 4 21:06:44.841:
ssaFlushPeerTagQueue cid(24) peer list: (empty) .Jun 4
21:06:47.437: vtsp_process_dsp_message:
MSG_TX_GET_TX_STAT: rtp_timestamp=0xD4D85071 .Jun 4
21:06:47.437: vtsp:[4/0:15 (25), S_CONNECT,
E_DSP_GET_TX] .Jun 4 21:06:49.049:
vtsp_process_dsp_message: MSG_TX_GET_TX_STAT:
rtp_timestamp=0xD4D882D1 .Jun 4 21:06:49.049:
vtsp:[4/0:15 (25), S_CONNECT, E_DSP_GET_TX] .Jun 4
21:06:50.129: vtsp_process_dsp_message:
MSG_TX_TONE_DETECT: type=0 trigger=1 tone_id=0 .Jun 4
21:06:50.129: vtsp:[4/0:15 (25), S_CONNECT,
```

```
E_DSP_TONE_DETECT] .Jun 4 21:06:50.129:
vtsp_modem_proto_from_cdb: cap_modem_proto 0 .Jun 4
21:06:50.129: cc_api_call_feature: (vdbPtr=0x63387EDC,
callID=0x19,feature_ind.type=1 .Jun 4 21:06:50.129:
act_lfax_switch: cap_modem_proto=16,
fax_relay_on=1, state=19
.Jun 4 21:06:50.129: vtsp_t38_switchover:2 - data_mode:1
!--- Note that 2 means T.38; 1 means Cisco proprietary.
.Jun 4 21:06:50.129: cc_api_t38_fax_start
(dstVdbPtr=0x62F07650, dstCallId=0x18, srcCallId=0x19,
caps={codec=0x10000, fax_rate=0x2, vad=0x2, modem=0x0
codec_bytes=20, signal_type=2}) .Jun 4 21:06:50.129:
vtsp_timer: 20362254 .Jun 4 21:06:50.129: sess_appl:
ev(28=CC_EV_CALL_FEATURE), cid(25), disp(0) .Jun 4
21:06:50.129:
cid(25)st(SSA_CS_ACTIVE)ev(SSA_EV_CALL_FEATURE)
oldst(SSA_CS_CONFERENCED_ALERT)cfid(8)csize(0)in(0)fDest
(0) .Jun 4 21:06:50.129: -
cid2(24)st2(SSA_CS_ACTIVE)oldst2
(SSA_CS_CONFERENCING_ALERT) .Jun 4 21:06:50.129:
ccCallFeature (callID=0x18, feature.type=1) .Jun 4
21:06:50.249: vtsp_process_dsp_message:
MSG_TX_TONE_DETECT: type=0 trigger=0 tone_id=0 .Jun 4
21:06:50.249: vtsp:[4/0:15 (25), S_LFAX_WAIT_CAPS_ACK,
E_DSP_TONE_DETECT]
.Jun 4 21:06:50.249: vtsp_process_event(): prev_state =
0.11 ,
state = S_LFAX_WAIT_CAPS_ACK, event = E_DSP_TONE_DETECT
.Jun 4 21:06:50.389: vtsp_process_dsp_message:
MSG_TX_TONE_DETECT: type=0 trigger=1 tone_id=0
.Jun 4 21:06:50.389: vtsp:[4/0:15 (25),
S_LFAX_WAIT_CAPS_ACK, E_DSP_TONE_DETECT]
.Jun 4 21:06:50.389: vtsp_process_event(): prev_state =
0.11 ,
state = S_LFAX_WAIT_CAPS_ACK, event = E_DSP_TONE_DETECT
.Jun 4 21:06:50.489: vtsp_process_dsp_message:
MSG_TX_TONE_DETECT: type=0 trigger=0 tone_id=0
.Jun 4 21:06:50.489: vtsp:[4/0:15 (25),
S_LFAX_WAIT_CAPS_ACK, E_DSP_TONE_DETECT]
.Jun 4 21:06:50.489: vtsp_process_event(): prev_state =
0.11 ,
state = S_LFAX_WAIT_CAPS_ACK,
event = E_DSP_TONE_DETECT Invalid FSM Input on channel
4/0:15 (25)
.Jun 4 21:06:50.529: cc_api_t38_fax_start
(dstVdbPtr=0x63387EDC,
dstCallId=0x19, srcCallId=0x18, caps={codec=0x10000,
fax_rate=0x2,
vad=0x2, modem=0x0 codec_bytes=160, signal_type=2})
.Jun 4 21:06:50.529: vtsp:[4/0:15 (25),
S_LFAX_WAIT_CAPS_ACK, E_CC_T38_START]
.Jun 4 21:06:50.529: act_caps_ack_lfax_dnld
.Jun 4 21:06:50.529: vtsp_timer_stop: 20362294
.Jun 4 21:06:50.529: dsp_idle_mode: [4/0:15 (25)]
packet_len=8
channel_id=1 packet_id=68
.Jun 4 21:06:50.529: vtsp:[4/0:15 (25),
S_LFAX_DOWNLOAD, E_DSPRM_PEND_SUCCESS]
.Jun 4 21:06:50.529: act_lfax_mode
.Jun 4 21:06:50.529: cc_api_local_codec_dnld_done
(dstVdbPtr=0x62F07650, dstCallId=0x18, srcCallId=0x19)
!--- The previous three messages confirm that the fax
codec was successfully !--- downloaded into the DSP. You
may not see all the messages above !--- and below. The
```

```
important point is that you do not see error !---  
messages saying that the fax codec was not downloaded  
correctly. .Jun 4 21:06:50.529: vtsp_timer: 20362294  
.Jun 4 21:06:50.929: cc_api_t38_fax_start  
(dstVdbPtr=0x63387EDC, dstCallId=0x19, srcCallId=0x18,  
caps={codec=0x10000, fax_rate=0x2, vad=0x2, modem=0x0  
codec_bytes=160, signal_type=2}) .Jun 4 21:06:50.929:  
cc_api_remote_codec_dnld_done (dstVdbPtr=0x63387EDC,  
dstCallId=0x19, srcCallId=0x18) .Jun 4 21:06:50.929:  
vtsp:[4/0:15 (25), S_LFAX_WAIT_FAX, E_CC_T38_START] .Jun  
4 21:06:50.929: vtsp:[4/0:15 (25), S_LFAX_WAIT_FAX,  
E_CC_T30_CAP_ACK] .Jun 4 21:06:50.929: act_t38_lfax_mode  
.Jun 4 21:06:50.929: vtsp_timer_stop: 20362334 .Jun 4  
21:06:50.929: dsp_idle_mode: [4/0:15 (25)] packet_len=8  
channel_id=1 packet_id=68 .Jun 4 21:06:50.929:  
dsp_encap_config: T38 .Jun 4 21:06:50.929: dsp_fax_mode:  
[4/0:15 (25)] FaxRate 0x2, Codec 0x10000 dsp_fax_mode()  
ECM_DISABLE not set, debug_info requested .Jun 4  
21:06:50.929: dsp_fax_mode: [] packet_len=28  
channel_id=1 packet_id=69 max_trans=3 info_size=20,  
fax_protocol_type=3, ls_data_red=0, hs_data_red=0,  
tcf_handling=2, fax_relay_cntl=0x2 nsf_country = 0xAD,  
nsf_mfg = 0x0051 !--- During the fax transmission the  
Cisco IOS Software polls the DSP !--- statistics  
periodically, and the following message appears: .Jun 4  
21:06:50.929: vtsp:[4/0:15 (25), S_FAX, E_DSP_GET_TX
```

トレースの表示は、Cisco IOS ソフトウェアのバージョンごとに異なる場合がありますが、ファックスコーデックが正しくロードされたかどうか、そしてキーワード「FAX」の後の出力にどのファックスプロトコルが使用されたかは常にわかるようになっています。

ファックスコーデックが正しくロードされなかった場合は、おそらくソフトウェアに障害があります。最新のメンテナンスリリースが使用されているかどうかを確認し、問題が依然として解決しない場合は、Technical Assistance Center (TAC) でケースをオープンしてください。

[VoFR の debug vtsp all コマンドの動作例](#)

[発信側ルータ](#)

debug vtsp all - 発信側ルータ

```
vdtl-2600-2d#  
Jun 5 10:10:34.053: vtsp_tsp_call_setup_ind  
(sdb=0x81FD48DC, tdm_info=0x0,  
tsp_info=0x81FF74DC, calling_number= calling_oct3 =  
0x0,  
called_number= called_oct3 = 0x81, oct3a=0x0):  
peer_tag=0  
Jun 5 10:10:34.053: : ev.clg.clir is 0  
ev.clg.clid_transparent  
is 0 ev.clg.null_orig_clg is 1  
ev.clg.calling_translated is false  
  
Jun 5 10:10:34.057: vtsp_do_call_setup_ind  
Jun 5 10:10:34.057: vtsp_allocate_cdb,cdb 0x821D9344  
Jun 5 10:10:34.057: vtsp_do_call_setup_ind: Call  
ID=65589, guid=821D9874
```

```
Jun  5 10:10:34.057: vtsp_do_call_setup_ind: type=0,
under_spec=-2119571356,
  name=f<0HNhf< 1=@, id0=1, id1=1, id2=-32567, calling=,
  called= subscriber=RegularLine
Jun  5 10:10:34.057: vtsp_do_normal_call_setup_ind
Jun  5 10:10:34.057: vtsp_insert_cdb,cdb 0x821D9344
Jun  5 10:10:34.057: vtsp_open_voice_and_set_params
Jun  5 10:10:34.057: dsp_close_voice_channel: [1/1:0:27]
packet_len=8
  channel_id=2 packet_id=75
Jun  5 10:10:34.057: dsp_open_voice_channel_20:
[1/1:0:27] packet_len=16
  channel_id=2 packet_id=74 alaw_ulaw_select=0
  associated_signaling_channel=129 time_slot=1
serial_port=0
Jun  5 10:10:34.057: vtsp_modem_proto_from_cdb:
cap_modem_proto 1073741824
Jun  5 10:10:34.057: vtsp_modem_proto_from_cdb:
cap_modem_proto 1073741824
Jun  5 10:10:34.057: dsp_encap_config: [1/1:0:27]
packet_len=30
  channel_id=2 packet_id=92 TransportProtocol 2
t_ssrc=0x0 r_ssrc=0x0
  t_vpxcc=0x0 r_vpxcc=0x0 sid_support=1,
tse_payload=65535, seq_num=0x0,
  redundancy=0
Jun  5 10:10:34.061: dsp_set_playout_delay
Jun  5 10:10:34.061: dsp_set_playout: [1/1:0:27]
packet_len=18
  channel_id=2 packet_id=76 mode=1 initial=60 min=40
max=200 fax_nom=300
  dsp_set_playout_delay_config
Jun  5 10:10:34.061: dsp_set_playout_config
Jun  5 10:10:34.061: mode 0, init 60, min 40, max 200
playout default

Jun  5 10:10:34.061: dsp_set_playout_config:mode 0, init
60, min 40, max 200
Jun  5 10:10:34.061: dsp_set_playout_config: [1/1:0:27]
packet_len=18
  channel_id=2 packet_id=76 mode=1 initial=60 min=40
max=200 fax_nom=300
Jun  5 10:10:34.061: dsp_echo_canceler_control:
echo_cancel: 1
Jun  5 10:10:34.061: dsp_echo_canceler_control:
[1/1:0:27] echo_cancel 1,
  disable_hpf 0, flags=0x0
Jun  5 10:10:34.061: dsp_echo_canceler_control:
[1/1:0:27] packet_len=10
  channel_id=2 packet_id=66 flags=0x0
Jun  5 10:10:34.061: sgf: FXx/E&M: msg-
>message.set_codec_gains.out_gain=0
Jun  5 10:10:34.061: dsp_set_gains: [1/1:0:27]
packet_len=12
  channel_id=2 packet_id=91 in_gain=0 out_gain=0
Jun  5 10:10:34.061: dsp_vad_enable: [1/1:0:27] enable:
packet_len=12
  channel_id=2 packet_id=78 thresh=-38
Jun  5 10:10:34.061: vtsp_report_digit_control:
  enable=1: digit reporting enabled
Jun  5 10:10:34.061: : vtsp_get_digit_timeouts
Jun  5 10:10:34.065: vtsp:[1/1:0:27, S_SETUP_INDICATED,
E_CC_SETUP_ACK]
Jun  5 10:10:34.065: act_setup_ind_ack
```

```
Jun  5 10:10:34.065: vtsp_modem_proto_from_cdb:
cap_modem_proto 0
Jun  5 10:10:34.065: vtsp_modem_proto_from_cdb:
cap_modem_proto 0
Jun  5 10:10:34.065: dsp_encap_config: [1/1:0:27]
packet_len=30
  channel_id=2 packet_id=92 TransportProtocol 2
t_ssrc=0x0 r_ssrc=0x0
  t_vpxcc=0x0 r_vpxcc=0x0 sid_support=1,
tse_payload=65535, seq_num=0x0,
  redundancy=0
Jun  5 10:10:34.065: dsp_voice_mode: [1/1:0:27] cdb
821D9344,
  cdb->codec_params.modem 2, inband_detect flags 0x21
Jun  5 10:10:34.065: map_dtmf_relay_type--digit relay
mode: 2
Jun  5 10:10:34.065: dsp_voice_mode: [1/1:0:27]
packet_len=24
  channel_id=2 packet_id=73 coding_type=1
voice_field_size=80 VAD_flag=0
  echo_length=64 comfort_noise=1 inband_detect=33
digit_relay_mode=2
  AGC_flag=0act_setup_ind_ack: modem_mode = 0,
fax_relay_on = 1
Jun  5 10:10:34.065: act_setup_ind_ack():
  dsp_dtmf_mode()dsp_dtmf_mode(VTSP_TONE_DTMF_MODE)

Jun  5 10:10:34.065: dsp_dtmf_mode: [1/1:0:27]
packet_len=10
  channel_id=2 packet_id=65 dtmf_or_mf=0
Jun  5 10:10:34.065: vtsp_timer: 43525550
Jun  5 10:10:34.065: vtsp:[1/1:0:27, S_DIGIT_COLLECT,
E_CC_GEN_TONE]
Jun  5 10:10:34.065: act_gen_tone
Jun  5 10:10:34.065: dsp_cp_tone_off: [1/1:0:27]
packet_len=8
  channel_id=2 packet_id=71
Jun  5 10:10:34.065: dsp_cp_tone_on: [1/1:0:27]
packet_len=38
  channel_id=2 packet_id=72 tone_id=4 n_freq=2
freq_of_first=350
  freq_of_second=440 amp_of_first=5514 amp_of_second=5514
direction=1
  on_time_first=65535 off_time_first=0 on_time_second=0
off_time_second=0
Jun  5 10:10:34.065: vtsp:[1/1:0:27, S_DIGIT_COLLECT,
E_CC_GEN_TONE]
Jun  5 10:10:34.069: act_gen_tone
Jun  5 10:10:34.069: dsp_cp_tone_off: [1/1:0:27]
packet_len=8
  channel_id=2 packet_id=71
Jun  5 10:10:34.069: dsp_cp_tone_on: [1/1:0:27]
packet_len=38
  channel_id=2 packet_id=72 tone_id=4 n_freq=2
freq_of_first=350
  freq_of_second=440 amp_of_first=5514 amp_of_second=5514
direction=1
  on_time_first=65535 off_time_first=0 on_time_second=0
off_time_second=0
Jun  5 10:10:35.544: vtsp_process_dsp_message:
  MSG_TX_DTMF_DIGIT_BEGIN: digit=4,
rtp_timestamp=0xD455BA67

Jun  5 10:10:35.544: vtsp:[1/1:0:27, S_DIGIT_COLLECT,
```

```
E_DSP_DTMF_DIGIT_BEGIN]
Jun  5 10:10:35.544: act_report_digit_begin
Jun  5 10:10:35.612: vtsp_process_dsp_message:
  MSG_TX_DTMF_DIGIT_OFF: digit=4, duration=120
Jun  5 10:10:35.616: vtsp:[1/1:0:27, S_DIGIT_COLLECT,
E_DSP_DTMF_DIGIT]
Jun  5 10:10:35.616: act_report_digit_end
Jun  5 10:10:35.616: vtsp_timer_stop: 43525705
Jun  5 10:10:35.616: dsp_cp_tone_off: [1/1:0:27]
packet_len=8
  channel_id=2 packet_id=71
Jun  5 10:10:35.616: vtsp_timer: 43525705
Jun  5 10:10:35.732: vtsp_process_dsp_message:
  MSG_TX_DTMF_DIGIT_BEGIN: digit=0,
rtp_timestamp=0xD455BA67
Jun  5 10:10:35.732: vtsp:[1/1:0:27, S_DIGIT_COLLECT,
E_DSP_DTMF_DIGIT_BEGIN]
Jun  5 10:10:35.732: act_report_digit_begin
Jun  5 10:10:35.792: vtsp_process_dsp_message:
  MSG_TX_DTMF_DIGIT_OFF: digit=0, duration=110
Jun  5 10:10:35.792: vtsp:[1/1:0:27, S_DIGIT_COLLECT,
E_DSP_DTMF_DIGIT]
Jun  5 10:10:35.792: act_report_digit_end
Jun  5 10:10:35.792: vtsp_timer_stop: 43525722
Jun  5 10:10:35.796: dsp_cp_tone_off: [1/1:0:27]
packet_len=8
  channel_id=2 packet_id=71
Jun  5 10:10:35.796: vtsp_timer: 43525723
Jun  5 10:10:35.933: vtsp_process_dsp_message:
  MSG_TX_DTMF_DIGIT_BEGIN: digit=0,
rtp_timestamp=0xD455BA67
Jun  5 10:10:35.933: vtsp:[1/1:0:27, S_DIGIT_COLLECT,
E_DSP_DTMF_DIGIT_BEGIN]
Jun  5 10:10:35.933: act_report_digit_begin
Jun  5 10:10:36.005: vtsp_process_dsp_message:
  MSG_TX_DTMF_DIGIT_OFF: digit=0, duration=120
Jun  5 10:10:36.005: vtsp:[1/1:0:27, S_DIGIT_COLLECT,
E_DSP_DTMF_DIGIT]
Jun  5 10:10:36.005: act_report_digit_end
Jun  5 10:10:36.005: vtsp_timer_stop: 43525744
Jun  5 10:10:36.005: dsp_cp_tone_off: [1/1:0:27]
packet_len=8
  channel_id=2 packet_id=71
Jun  5 10:10:36.005: vtsp_timer: 43525744
Jun  5 10:10:36.133: vtsp_process_dsp_message:
  MSG_TX_DTMF_DIGIT_BEGIN: digit=1,
rtp_timestamp=0xD455BA67
Jun  5 10:10:36.133: vtsp:[1/1:0:27, S_DIGIT_COLLECT,
E_DSP_DTMF_DIGIT_BEGIN]
Jun  5 10:10:36.133: act_report_digit_begin
Jun  5 10:10:36.193: vtsp_process_dsp_message:
  MSG_TX_DTMF_DIGIT_OFF: digit=1, duration=110
Jun  5 10:10:36.193: vtsp:[1/1:0:27, S_DIGIT_COLLECT,
E_DSP_DTMF_DIGIT]
Jun  5 10:10:36.193: act_report_digit_end
Jun  5 10:10:36.193: vtsp_timer_stop: 43525762
Jun  5 10:10:36.193: dsp_cp_tone_off: [1/1:0:27]
packet_len=8
  channel_id=2 packet_id=71
Jun  5 10:10:36.193: vtsp_timer: 43525762
Jun  5 10:10:36.197: vtsp_report_digit_control:
  enable=0: digit reporting disabled
Jun  5 10:10:36.197: : vtsp_get_digit_timeouts
Jun  5 10:10:36.197: vtsp_save_dialpeer_tag: tag = 4001
```

```
Jun  5 10:10:36.197: vtsp:[1/1:0:27, S_DIGIT_COLLECT,
E_CC_PROCEEDING]
Jun  5 10:10:36.197: act_dcollect_proc
Jun  5 10:10:36.205: vtsp_get_dialpeer_tag: tag = 4001
Jun  5 10:10:36.890: vtsp_get_dialpeer_tag: tag = 4001
Jun  5 10:10:36.890: vtsp:[1/1:0:27, S_PROCEEDING,
E_CC_PROGRESS]
Jun  5 10:10:36.890: act_progress
Jun  5 10:10:36.890: vtsp_timer_stop: 43525832
Jun  5 10:10:36.890: vtsp:[1/1:0:27, S_PROCEEDING,
E_CC_BRIDGE]
Jun  5 10:10:36.890: act_bridge
Jun  5 10:10:36.890: vtsp:[1/1:0:27, S_PROCEEDING,
E_CC_CAPS_IND]
Jun  5 10:10:36.890: act_caps_ind
Jun  5 10:10:36.890: act_caps_ind: passthrough:
cap_modem_proto 0,
  cap_modem_codec 0, cap_modem_redundancy 0, payload 0
Jun  5 10:10:36.890: act_caps_ind:CC_CAP_ENCAP_FRF11
Encap 2, Vad 2,
  Codec 0x4, CodecBytes 30, FaxRate 2, FaxBytes 30,
FaxNsf 0xAD0051
  Sub-channel 8, Bitmask 0x0 SignalType 2, SeqNumStart
0x0
Jun  5 10:10:36.890: act_caps_ind: [ mode:0,init:60,
min:40, max:200]
Jun  5 10:10:36.890: vtsp:[1/1:0:27, S_PROCEEDING,
E_CC_CAPS_ACK]
Jun  5 10:10:36.890: act_caps_ack
Jun  5 10:10:36.894: act_caps_ack: passthrough:
cap_modem_proto 0,
  cap_modem_codec 0, cap_modem_redundancy 0, payload 0
Jun  5 10:10:36.894: dsp_idle_mode: [1/1:0:27]
packet_len=8
  channel_id=2 packet_id=68
Jun  5 10:10:36.894: act_caps_ack: codec = 16, ret = 2
Jun  5 10:10:36.894: vtsp_timer: 43525833
Jun  5 10:10:36.894: vtsp:[1/1:0:27, S_NULL,
E_DSPRM_PEND_SUCCESS]
Jun  5 10:10:36.894: act_pend_codec_success
Jun  5 10:10:36.894: vtsp_timer_stop: 43525833
Jun  5 10:10:36.894: vtsp_open_voice_and_set_params
Jun  5 10:10:36.894: dsp_close_voice_channel: [1/1:0:27]
packet_len=8
  channel_id=2 packet_id=75
Jun  5 10:10:36.894: dsp_open_voice_channel_20:
[1/1:0:27] packet_len=16
  channel_id=2 packet_id=74 alaw_ulaw_select=0
  associated_signaling_channel=129 time_slot=1
  serial_port=0
Jun  5 10:10:36.894: dsp_encap_config: [1/1:0:27]
packet_len=18
  channel_id=2 packet_id=92 TransportProtocol 3
  SID_support=0
  sequence_number=0 rotate_flag=0 header_bytes 0x80
Jun  5 10:10:36.894: dsp_set_playout_delay
Jun  5 10:10:36.894: dsp_set_playout: [1/1:0:27]
packet_len=18
  channel_id=2 packet_id=76 mode=1 initial=60 min=40
max=200 fax_nom=300
  dsp_set_playout_delay_config
Jun  5 10:10:36.894: dsp_set_playout_config
Jun  5 10:10:36.894: mode 0, init 60, min 40, max 200
playout default
```



```
Jun  5 10:10:36.894: dsp_set_playout_config:mode 0, init
60, min 40, max 200
Jun  5 10:10:36.894: dsp_set_playout_config: [1/1:0:27]
packet_len=18
  channel_id=2 packet_id=76 mode=1 initial=60 min=40
max=200 fax_nom=300
Jun  5 10:10:36.894: dsp_echo_canceler_control:
echo_cancel: 1
Jun  5 10:10:36.894: dsp_echo_canceler_control:
[1/1:0:27] echo_cancel 1,
  disable_hpf 0, flags=0x0
Jun  5 10:10:36.898: dsp_echo_canceler_control:
[1/1:0:27] packet_len=10
  channel_id=2 packet_id=66 flags=0x0
Jun  5 10:10:36.898: sgf: FXx/E&M: msg-
>message.set_codec_gains.out_gain=0
Jun  5 10:10:36.898: dsp_set_gains: [1/1:0:27]
packet_len=12
  channel_id=2 packet_id=91 in_gain=0 out_gain=0
Jun  5 10:10:36.898: dsp_vad_enable: [1/1:0:27] enable:
packet_len=12
  channel_id=2 packet_id=78 thresh=-38
Jun  5 10:10:36.898: dsp_voice_mode: [1/1:0:27] cdb
821D9344,
  cdb->codec_params.modem 0, inband_detect flags 0x1
Jun  5 10:10:36.898: map_dtmf_relay_type--digit relay
mode: 2
Jun  5 10:10:36.898: dsp_voice_mode: [1/1:0:27]
packet_len=24
  channel_id=2 packet_id=73 coding_type=19
voice_field_size=30
  VAD_flag=250 echo_length=64 comfort_noise=1
inband_detect=1
  digit_relay_mode=2 AGC_flag=0
Jun  5 10:10:43.024: vtsp_get_dialpeer_tag: tag = 4001
Jun  5 10:10:43.024: vtsp:[1/1:0:27, S_PROCEEDING,
E_CC_CONNECT]
Jun  5 10:10:43.024: act_connect
Jun  5 10:10:43.024: vtsp_ring_noan_timer_stop: 43526446

Jun  5 10:10:48.710: vtsp:[1/1:0:27, S_CONNECT,
E_PH_CODEC_FAX]
Jun  5 10:10:48.710: act_rfax_switch
Jun  5 10:10:48.710: dsp_idle_mode: [1/1:0:27]
packet_len=8
  channel_id=2 packet_id=68
Jun  5 10:10:48.710: vtsp_timer_stop: 43527014
Jun  5 10:10:48.910: vtsp:[1/1:0:27, S_RFAX_DOWNLOAD,
E_DSPRM_PEND_SUCCESS]
Jun  5 10:10:48.910: act_rfax_mode
Jun  5 10:10:48.910: vtsp:[1/1:0:27, S_RFAX_WAIT_ACK,
E_PH_CODEC_ACK]
Jun  5 10:10:48.910: act_wait_ack_ack
Jun  5 10:10:48.910: vtsp_timer_stop: 43527034
Jun  5 10:10:48.914: dsp_fax_mode: [1/1:0:27] FaxRate
0x2, Codec 0x4
  dsp_fax_mode() ECM_DISABLE not set, debug_info not
requested
Jun  5 10:10:48.914: dsp_fax_mode: [1/1:0:27]
packet_len=28
  channel_id=2 packet_id=69 max_trans=3 info_size=30,
fax_protocol_type=2,
  hs_data_len=0, ls_data_red=0, hs_data_red=0,
tcf_handling=0,
```

```
fax_relay_cntl=0x0 nsf_country = 0xAD, nsf_mfg = 0x0051
!--- fax codecs: enum { !--- DSP_TELOGY_FAX = 1, !---
DSP_FRF11_FAX, !--- DSP_T38_FAX vdtl-2600-2d# vdtl-2600-
2d# vdtl-2600-2d# Jun 5 10:11:21.516:
vtsp_process_dsp_message: MSG_TX_FAX_CLEARDOWN: Jun 5
10:11:21.516: vtsp:[1/1:0:27, S_FAX,
E_DSP_FAX_CLEARDOWN] Jun 5 10:11:21.516:
act_fax_to_voice Jun 5 10:11:21.516: vtsp_timer_stop:
43530295 Jun 5 10:11:21.520: dsp_idle_mode: [1/1:0:27]
packet_len=8 channel_id=2 packet_id=68 Jun 5
10:11:21.520: dsp_close_voice_channel: [1/1:0:27]
packet_len=8 channel_id=2 packet_id=75act_fax_to_voice
codec= 16 Jun 5 10:11:21.520: vtsp_timer: 43530295 Jun 5
10:11:21.520: vtsp:[1/1:0:27, S_FAX_TERM,
E_DSPRM_PEND_SUCCESS] Jun 5 10:11:21.520:
vtsp_timer_stop: 43530295 Jun 5 10:11:21.520:
act_fax_complete Jun 5 10:11:21.520:
vtsp_open_voice_and_set_params Jun 5 10:11:21.520:
dsp_close_voice_channel: [1/1:0:27] packet_len=8
channel_id=2 packet_id=75 Jun 5 10:11:21.520:
dsp_open_voice_channel_20: [1/1:0:27] packet_len=16
channel_id=2 packet_id=74 alaw_ulaw_select=0
associated_signaling_channel=129 time_slot=1
serial_port=0 Jun 5 10:11:21.520: dsp_encap_config:
[1/1:0:27] packet_len=18 channel_id=2 packet_id=92
TransportProtocol 3 SID_support=0 sequence_number=0
rotate_flag=0 header_bytes 0x80 Jun 5 10:11:21.520:
dsp_set_playout_delay Jun 5 10:11:21.520:
dsp_set_playout: [1/1:0:27] packet_len=18 channel_id=2
packet_id=76 mode=1 initial=60 min=40 max=200
fax_nom=300 dsp_set_playout_delay_config Jun 5
10:11:21.520: dsp_set_playout_config Jun 5 10:11:21.520:
mode 0, init 60, min 40, max 200 playout default Jun 5
10:11:21.520: dsp_set_playout_config:mode 0, init 60,
min 40, max 200 Jun 5 10:11:21.520:
dsp_set_playout_config: [1/1:0:27] packet_len=18
channel_id=2 packet_id=76 mode=1 initial=60 min=40
max=200 fax_nom=300 Jun 5 10:11:21.520:
dsp_echo_canceler_control: echo_cancel: 1 Jun 5
10:11:21.520: dsp_echo_canceler_control: [1/1:0:27]
echo_cancel 1, disable_hpf 0, flags=0x0 Jun 5
10:11:21.525: dsp_echo_canceler_control: [1/1:0:27]
packet_len=10 channel_id=2 packet_id=66 flags=0x0 Jun 5
10:11:21.525: sgf: FXx/E&M: msg-
>message.set_codec_gains.out_gain=0 Jun 5 10:11:21.525:
dsp_set_gains: [1/1:0:27] packet_len=12 channel_id=2
packet_id=91 in_gain=0 out_gain=0 Jun 5 10:11:21.525:
dsp_vad_enable: [1/1:0:27] enable: packet_len=12
channel_id=2 packet_id=78 thresh=-38 Jun 5 10:11:21.525:
dsp_voice_mode: [1/1:0:27] cdb 821D9344, cdb-
>codec_params.modem 0, inband_detect flags 0x1 Jun 5
10:11:21.525: map_dtmf_relay_type--digit relay mode: 2
Jun 5 10:11:21.525: dsp_voice_mode: [1/1:0:27]
packet_len=24 channel_id=2 packet_id=73 coding_type=19
voice_field_size=30 VAD_flag=250 echo_length=64
comfort_noise=1 inband_detect=1 digit_relay_mode=2
AGC_flag=0 Jun 5 10:11:24.033: vtsp:[1/1:0:27,
S_CONNECT, E_TSP_DISCONNECT_IND] Jun 5 10:11:24.033:
act_generate_disc Jun 5 10:11:24.033:
vtsp_ring_noan_timer_stop: 43530546 Jun 5 10:11:24.033:
vtsp_timer_stop: 43530546 Jun 5 10:11:24.033:
vtsp_pcm_tone_detect_timer_stop: 43530546 Jun 5
10:11:24.033: vtsp_pcm_switchover_timer_stop: 43530546
Jun 5 10:11:24.033: vtsp:[1/1:0:27, S_CONNECT,
```

```
E_CC_BRIDGE_DROP] Jun 5 10:11:24.033: act_bdrop Jun 5
10:11:24.033: vtsp:[1/1:0:27, S_CONNECT,
E_CC_DISCONNECT] Jun 5 10:11:24.033: act_disconnect Jun
5 10:11:24.033: vtsp_ring_noan_timer_stop: 43530546 Jun
5 10:11:24.033: vtsp_pcm_tone_detect_timer_stop:
43530546 Jun 5 10:11:24.033:
vtsp_pcm_switchover_timer_stop: 43530546 Jun 5
10:11:24.033: vtsp_cot_timer_stop: 43530546 Jun 5
10:11:24.033: vtsp_timer_stop: 43530546 Jun 5
10:11:24.033: vtsp_timer: 43530546 Jun 5 10:11:24.037:
vtsp:[1/1:0:27, S_WAIT_STATS, E_DSP_GET_ERROR] Jun 5
10:11:24.037: act_get_error Jun 5 10:11:24.037:
1/1:0:27: rx_dropped=0 tx_dropped=0 rx_control=51
tx_control=14 tx_control_dropped=0 dsp_mode_channel_1=0
dsp_mode_channel_2=2 c[0]=68 c[1]=3 c[2]=10 c[3]=69
c[4]=68 c[5]=75 c[6]=75 c[7]=74 c[8]=92 c[9]=76 c[10]=76
c[11]=66 c[12]=91 c[13]=78 c[14]=73 c[15]=6 Jun 5
10:11:24.037: dsp_get_levels: [1/1:0:27] packet_len=8
channel_id=2 packet_id=89 Jun 5 10:11:24.041:
vtsp:[1/1:0:27, S_WAIT_STATS, E_DSP_GET_LEVELS] Jun 5
10:11:24.041: act_get_levels Jun 5 10:11:24.045:
vtsp_process_dsp_message: MSG_TX_GET_TX_STAT:
rtp_timestamp=0xFD908919 Jun 5 10:11:24.045:
vtsp:[1/1:0:27, S_WAIT_STATS, E_DSP_GET_TX] Jun 5
10:11:24.049: act_stats_complete Jun 5 10:11:24.049:
vtsp_timer_stop: 43530548 Jun 5 10:11:24.049:
vtsp_ring_noan_timer_stop: 43530548 Jun 5 10:11:24.049:
dsp_idle_mode: [1/1:0:27] packet_len=8 channel_id=2
packet_id=68 Jun 5 10:11:24.049: vtsp_timer: 43530548
Jun 5 10:11:24.850: vtsp:[1/1:0:27, S_WAIT_RELEASE,
E_TSP_CALL_FEATURE_IND] Jun 5 10:11:24.850:
act_call_feature_ind Jun 5 10:11:24.850: vtsp:[1/1:0:27,
S_WAIT_RELEASE, E_TSP_DISCONNECT_CONF] Jun 5
10:11:24.850: act_wrelease_release Jun 5 10:11:24.850:
vtsp_timer_stop: 43530628 Jun 5 10:11:24.854:
dsp_cp_tone_off: [1/1:0:27] packet_len=8 channel_id=2
packet_id=71 Jun 5 10:11:24.854: dsp_idle_mode:
[1/1:0:27] packet_len=8 channel_id=2 packet_id=68 Jun 5
10:11:24.854: dsp_close_voice_channel: [1/1:0:27]
packet_len=8 channel_id=2
packet_id=75vtsp_do_call_historyvtsp_do_call_history
CoderRate 20 Jun 5 10:11:24.854: vtsp:[1/1:0:27,
S_CLOSE_DSPRM, E_DSPRM_CLOSE_COMPLETE] Jun 5
10:11:24.854: act_terminate Jun 5 10:11:24.854:
vtsp_free_cdb,cdb 0x821D9344 vdt1-2600-2d#
```

終端ル一タ

debug vtsp all - 終端ル一タ

```
vdt1-7200-2c#
Jun 5 10:10:36.200: vtsp_do_call_setup_req
Jun 5 10:10:36.200: vtsp_allocate_cdb,cdb 0x620F01FC
Jun 5 10:10:36.200: vtsp_insert_cdb,cdb 0x620F01FC
Jun 5 10:10:36.200: vtsp_do_call_setup_req calling oct3
0x0, called oct3 0x0
Jun 5 10:10:36.200: vtsp_do_call_setup_req: Call ID=55,
guid=62F8AC6C
Jun 5 10:10:36.200: digit_strip:1, pcn:4001, poa:4001
Jun 5 10:10:36.200: pcn:, poa:
Jun 5 10:10:36.200: Final pcn:, poa:, dial_string:
```

```
Jun  5 10:10:36.200: calling oct3 0x0, called oct3 0x0
Jun  5 10:10:36.200: vtsp:[2/1:0 (39), S_SETUP_REQUEST,
E_TSP_PROCEEDING]
Jun  5 10:10:36.200: act_setup_pend_proceeding
Jun  5 10:10:36.200: vtsp_open_voice_and_set_params
Jun  5 10:10:36.200: dsp_close_voice_channel: [2/1:0
(39)] packet_len=8
    channel_id=1 packet_id=75
Jun  5 10:10:36.200: dsp_open_voice_channel_20: [2/1:0
(39)] packet_len=16
    channel_id=1 packet_id=74 alaw_ulaw_select=0
    associated_signaling_channel=128 time_slot=0
    serial_port=0
Jun  5 10:10:36.200: vtsp_modem_proto_from_cdb:
cap_modem_proto 1073741824
Jun  5 10:10:36.204: vtsp_modem_proto_from_cdb:
cap_modem_proto 1073741824
Jun  5 10:10:36.204: dsp_encap_config: [2/1:0 (39)]
packet_len=30
    channel_id=1 packet_id=92 TransportProtocol 2
    t_ssrc=0x0 r_ssrc=0x0
    t_vpxcc=0x0 r_vpxcc=0x0 sid_support=1,
    tse_payload=65535, seq_num=0x0,
    redundancy=0
Jun  5 10:10:36.204: dsp_set_playout_delay
Jun  5 10:10:36.204: dsp_set_playout: [2/1:0 (39)]
packet_len=18
    channel_id=1 packet_id=76 mode=1 initial=60 min=40
    max=200 fax_nom=300
    dsp_set_playout_delay_config
Jun  5 10:10:36.204: dsp_set_playout_config
Jun  5 10:10:36.204: mode 0, init 60, min 40, max 200
    playout default

Jun  5 10:10:36.204: dsp_set_playout_config:mode 0, init
60, min 40, max 200
Jun  5 10:10:36.204: dsp_set_playout_config: [2/1:0
(39)] packet_len=18
    channel_id=1 packet_id=76 mode=1 initial=60 min=40
    max=200 fax_nom=300
Jun  5 10:10:36.204: dsp_echo_canceler_control:
echo_cancel: 1
Jun  5 10:10:36.204: dsp_echo_canceler_control: [2/1:0
(39)] echo_cancel 1,
    disable_hpf 0, flags=0x0
Jun  5 10:10:36.204: dsp_echo_canceler_control: [2/1:0
(39)] packet_len=10
    channel_id=1 packet_id=66 flags=0x0
Jun  5 10:10:36.204: sgf: FXx/E&M: msg-
>message.set_codec_gains.out_gain=0
Jun  5 10:10:36.204: dsp_set_gains: [2/1:0 (39)]
packet_len=12
    channel_id=1 packet_id=91 in_gain=0 out_gain=0
Jun  5 10:10:36.204: dsp_vad_enable: [2/1:0 (39)]
enable: packet_len=12
    channel_id=1 packet_id=78 thresh=-38
Jun  5 10:10:36.888: vtsp:[2/1:0 (39), S_SETUP_REQ_PROC,
E_TSP_PROGRESS]
Jun  5 10:10:36.888: act_setup_pend_progress
Jun  5 10:10:36.888: vtsp:[2/1:0 (39), S_SETUP_REQ_PROC,
E_CC_BRIDGE]
Jun  5 10:10:36.888: act_bridge
Jun  5 10:10:36.888: vtsp:[2/1:0 (39), S_SETUP_REQ_PROC,
```

```
E_CC_CAPS_IND]
Jun  5 10:10:36.888: act_caps_ind
Jun  5 10:10:36.888: act_caps_ind: passthrough:
cap_modem_proto 0,
  cap_modem_codec 0, cap_modem_redundancy 0, payload 0
Jun  5 10:10:36.888: act_caps_ind:CC_CAP_ENCAP_FRF11
Encap 2, Vad 2,
  Codec 0x4, CodecBytes 30,
    FaxRate 2, FaxBytes 30, FaxNsf 0xAD0051
    Sub-channel 8, Bitmask 0x0
    SignalType 2, SeqNumStart 0x0
Jun  5 10:10:36.888: act_caps_ind: [ mode:0,init:60,
min:40, max:200]
Jun  5 10:10:36.888: vtsp:[2/1:0 (39), S_SETUP_REQ_PROC,
E_CC_CAPS_ACK]
Jun  5 10:10:36.888: act_caps_ack
Jun  5 10:10:36.888: act_caps_ack: passthrough:
cap_modem_proto 0,
  cap_modem_codec 0, cap_modem_redundancy 0, payload 0
Jun  5 10:10:36.888: dsp_idle_mode: [2/1:0 (39)]
packet_len=8
  channel_id=1 packet_id=68
Jun  5 10:10:36.888: act_caps_ack: codec = 16, ret = 2

Jun  5 10:10:36.888: vtsp_timer: 94714681
Jun  5 10:10:36.888: vtsp:[2/1:0 (39), S_NULL,
E_DSPRM_PEND_SUCCESS]
Jun  5 10:10:36.888: act_pend_codec_success
Jun  5 10:10:36.888: vtsp_timer_stop: 94714681
Jun  5 10:10:36.888: vtsp_open_voice_and_set_params
Jun  5 10:10:36.888: dsp_close_voice_channel: [2/1:0
(39)] packet_len=8
  channel_id=1 packet_id=75
Jun  5 10:10:36.888: dsp_open_voice_channel_20: [2/1:0
(39)] packet_len=16
  channel_id=1 packet_id=74 alaw_ulaw_select=0
  associated_signaling_channel=128 time_slot=0
  serial_port=0
Jun  5 10:10:36.888: dsp_encap_config: [2/1:0 (39)]
packet_len=18
  channel_id=1 packet_id=92 TransportProtocol 3
  SID_support=0
  sequence_number=0 rotate_flag=0 header_bytes 0x80
Jun  5 10:10:36.888: dsp_set_playout_delay
Jun  5 10:10:36.888: dsp_set_playout: [2/1:0 (39)]
packet_len=18
  channel_id=1 packet_id=76 mode=1 initial=60 min=40
max=200 fax_nom=300
  dsp_set_playout_delay_config
Jun  5 10:10:36.888: dsp_set_playout_config
Jun  5 10:10:36.888: mode 0, init 60, min 40, max 200
playout default

Jun  5 10:10:36.888: dsp_set_playout_config:mode 0, init
60, min 40, max 200
Jun  5 10:10:36.888: dsp_set_playout_config: [2/1:0
(39)] packet_len=18
  channel_id=1 packet_id=76 mode=1 initial=60 min=40
max=200 fax_nom=300
Jun  5 10:10:36.888: dsp_echo_canceler_control:
echo_cancel: 1
Jun  5 10:10:36.888: dsp_echo_canceler_control: [2/1:0
(39)] echo_cancel 1,
  disable_hpf 0, flags=0x0
```

```

Jun  5 10:10:36.888: dsp_echo_canceler_control: [2/1:0
(39)] packet_len=10
  channel_id=1 packet_id=66 flags=0x0
Jun  5 10:10:36.888: sgf: FXx/E&M:  msg-
>message.set_codec_gains.out_gain=0
Jun  5 10:10:36.888: dsp_set_gains: [2/1:0 (39)]
packet_len=12 channel_id=1
  packet_id=91 in_gain=0 out_gain=0
Jun  5 10:10:36.888: dsp_vad_enable: [2/1:0 (39)]
enable: packet_len=12
  channel_id=1 packet_id=78 thresh=-38
Jun  5 10:10:36.888: dsp_voice_mode: [2/1:0 (39)] cdb
620F01FC,
  cdb->codec_params.modem 0, inband_detect flags 0x1
Jun  5 10:10:36.888: map_dtmf_relay_type--digit relay
mode: 2
Jun  5 10:10:36.888: dsp_voice_mode: [2/1:0 (39)]
packet_len=24
  channel_id=1 packet_id=73 coding_type=19
voice_field_size=30 VAD_flag=250
  echo_length=64 comfort_noise=1
  inband_detect=1 digit_relay_mode=2 AGC_flag=0
Jun  5 10:10:43.024: vtsp:[2/1:0 (39), S_SETUP_REQ_PROC,
E_TSP_CONNECT]
Jun  5 10:10:43.024: act_setup_pend_connect
Jun  5 10:10:43.024: vtsp_ring_noan_timer_stop: 94715294
Jun  5 10:10:43.024: dsp_cp_tone_off: [2/1:0 (39)]
packet_len=8
  channel_id=1 packet_id=71

Jun  5 10:10:48.492: vtsp_process_dsp_message:
MSG_TX_TONE_DETECT: type=0 trigger=1 tone_id=0
Jun  5 10:10:48.492: vtsp:[2/1:0 (39), S_CONNECT,
E_DSP_TONE_DETECT]
Jun  5 10:10:48.492: vtsp_modem_proto_from_cdb:
cap_modem_proto 0
Jun  5 10:10:48.492: act_lfax_switch:
cap_modem_proto=16,
  fax_relay_on=1, state=19
  !--- sys/if/dsp_cntl_msgs.h * Definitions for the tone
detect !--- */ !--- #define TONE_TYPE_V_21 0x0000 !---
#define TONE_TYPE_CED 0x0001 /* CED 2100Hz */ !---
#define TONE_TYPE_CNG 0x0002 /* CNG 1100Hz */ !---
#define TONE_SDT_DISC 0x0003 !--- #define TONE_TYPE_COT
0x0004 /* COT tone detected */ !--- #define
TONE_TYPE_MODEM 0x0005 /* Modem answer signal detected
*/ !--- #define SILENCE_DETECTED 0x0006 /* Silence
detection */ !--- #define VOICE_DETECTED 0x0007 /* Voice
detection */ !--- #define DUAL_TONE_DETECTED 0x0008 /*
configurable dual tone detection */ !--- #define
SEQ_TONE_DETECTED 0x0009 /* configurable seq tone
detection */ !--- #define TONE_DETECT_ON 0x0001 !---
#define TONE_DETECT_OFF ~TONE_DETECT_ Jun  5
10:10:48.492: vtsp_timer: 94715841 Jun  5 10:10:48.492:
vtsp:[2/1:0 (39), S_LFAX_WAIT_ACK, E_PH_CODEC_ACK] Jun  5
10:10:48.492: act_lfax_download Jun  5 10:10:48.492:
vtsp_timer_stop: 94715841 Jun  5 10:10:48.492:
dsp_idle_mode: [2/1:0 (39)] packet_len=8 channel_id=1
packet_id=68 Jun  5 10:10:48.492: vtsp:[2/1:0 (39),
S_LFAX_DOWNLOAD, E_DSPRM_PEND_SUCCESS] Jun  5
10:10:48.492: act_lfax_mode Jun  5 10:10:48.492:
vtsp:[2/1:0 (39), S_LFAX_WAIT_FAX, E_PH_CODEC_FAX] Jun  5
10:10:48.492: act_wait_fax_fax ph_set_codec_ack Jun  5
10:10:48.492: dsp_fax_mode: [2/1:0 (39)] FaxRate 0x2,

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Codec 0x4 dsp_fax_mode() ECM_DISABLE not set, debug_info
not requested Jun 5 10:10:48.492: dsp_fax_mode: [2/1:0
(39)] packet_len=28 channel_id=1 packet_id=69
max_trans=3 info_size=30, fax_protocol_type=2,
hs_data_len=0, ls_data_red=0, hs_data_red=0,
tcf_handling=0, fax_relay_cntl=0x0 nsf_country = 0xAD,
nsf_mfg = 0x0051 vdtl-7200-2c# vdtl-7200-2c# vdtl-7200-
2c# Jun 5 10:11:21.736: vtsp_process_dsp_message:
MSG_TX_FAX_CLEARDOWN: Jun 5 10:11:21.740: vtsp:[2/1:0
(39), S_FAX, E_DSP_FAX_CLEARDOWN] Jun 5 10:11:21.740:
act_fax_to_voice Jun 5 10:11:21.740: vtsp_timer_stop:
94719166 Jun 5 10:11:21.740: dsp_idle_mode: [2/1:0 (39)]
packet_len=8 channel_id=1 packet_id=68 Jun 5
10:11:21.740: dsp_close_voice_channel: [2/1:0 (39)]
packet_len=8 channel_id=1 packet_id=75 act_fax_to_voice
codec= 16 Jun 5 10:11:21.740: vtsp_timer: 94719166 Jun 5
10:11:21.740: vtsp:[2/1:0 (39), S_FAX_TERM,
E_DSPRM_PEND_SUCCESS] Jun 5 10:11:21.740:
vtsp_timer_stop: 94719166 Jun 5 10:11:21.740:
act_fax_complete Jun 5 10:11:21.740:
vtsp_open_voice_and_set_params Jun 5 10:11:21.740:
dsp_close_voice_channel: [2/1:0 (39)] packet_len=8
channel_id=1 packet_id=75 Jun 5 10:11:21.740:
dsp_open_voice_channel_20: [2/1:0 (39)] packet_len=16
channel_id=1 packet_id=74 alaw_ulaw_select=0
associated_signaling_channel=128 time_slot=0
serial_port=0 Jun 5 10:11:21.740: dsp_encap_config:
[2/1:0 (39)] packet_len=18 channel_id=1 packet_id=92
TransportProtocol 3 SID_support=0 sequence_number=0
rotate_flag=0 header_bytes 0x80 Jun 5 10:11:21.740:
dsp_set_playout_delay Jun 5 10:11:21.740:
dsp_set_playout: [2/1:0 (39)] packet_len=18 channel_id=1
packet_id=76 mode=1 initial=60 min=40 max=200
fax_nom=300 dsp_set_playout_delay_config Jun 5
10:11:21.740: dsp_set_playout_config Jun 5 10:11:21.740:
mode 0, init 60, min 40, max 200 playout default Jun 5
10:11:21.740: dsp_set_playout_config: mode 0, init 60,
min 40, max 200 Jun 5 10:11:21.740:
dsp_set_playout_config: [2/1:0 (39)] packet_len=18
channel_id=1 packet_id=76 mode=1 initial=60 min=40
max=200 fax_nom=300 Jun 5 10:11:21.740:
dsp_echo_canceler_control: echo_cancel: 1 Jun 5
10:11:21.740: dsp_echo_canceler_control: [2/1:0 (39)]
echo_cancel 1, disable_hpf 0, flags=0x0 Jun 5
10:11:21.740: dsp_echo_canceler_control: [2/1:0 (39)]
packet_len=10 channel_id=1 packet_id=66 flags=0x0 Jun 5
10:11:21.740: sgf: FXx/E&M: msg-
>message.set_codec_gains.out_gain=0 Jun 5 10:11:21.740:
dsp_set_gains: [2/1:0 (39)] packet_len=12 channel_id=1
packet_id=91 in_gain=0 out_gain=0 Jun 5 10:11:21.740:
dsp_vad_enable: [2/1:0 (39)] enable: packet_len=12
channel_id=1 packet_id=78 thresh=-38 Jun 5 10:11:21.740:
dsp_voice_mode: [2/1:0 (39)] cdb 620F01FC, cdb-
>codec_params.modem 0, inband_detect flags 0x1 Jun 5
10:11:21.740: map_dtmf_relay_type--digit relay mode: 2
Jun 5 10:11:21.740: dsp_voice_mode: [2/1:0 (39)]
packet_len=24 channel_id=1 packet_id=73 coding_type=19
voice_field_size=30 VAD_flag=250 echo_length=64
comfort_noise=1 inband_detect=1 digit_relay_mode=2
AGC_flag=0 Jun 5 10:11:24.036: vtsp:[2/1:0 (39),
S_CONNECT, E_CC_BRIDGE_DROP] Jun 5 10:11:24.036:
act_bdrop Jun 5 10:11:24.036: vtsp:[2/1:0 (39),
S_CONNECT, E_CC_DISCONNECT] Jun 5 10:11:24.036:
act_disconnect Jun 5 10:11:24.036:
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vtsp_ring_noan_timer_stop: 94719396 Jun 5 10:11:24.036:
vtsp_pcm_tone_detect_timer_stop: 94719396 Jun 5
10:11:24.036: vtsp_pcm_switchover_timer_stop: 94719396
Jun 5 10:11:24.036: vtsp_cot_timer_stop: 94719396 Jun 5
10:11:24.036: vtsp_timer_stop: 94719396 Jun 5
10:11:24.036: vtsp_timer: 94719396 Jun 5 10:11:24.036:
vtsp:[2/1:0 (39), S_WAIT_STATS, E_DSP_GET_ERROR] Jun 5
10:11:24.036: act_get_error Jun 5 10:11:24.036: 2/1:0
(39): rx_dropped=1 tx_dropped=0 rx_control=39
tx_control=5 tx_control_dropped=0 dsp_mode_channel_1=2
dsp_mode_channel_2=0 c[0]=0 c[1]=0 c[2]=73 c[3]=71
c[4]=68 c[5]=69 c[6]=68 c[7]=75 c[8]=75 c[9]=74 c[10]=92
c[11]=76 c[12]=76 c[13]=66 c[14]=91 c[15]=78 Jun 5
10:11:24.036: dsp_get_levels: [2/1:0 (39)] packet_len=8
channel_id=1 packet_id=89 Jun 5 10:11:24.036:
vtsp:[2/1:0 (39), S_WAIT_STATS, E_DSP_GET_LEVELS] Jun 5
10:11:24.036: act_get_levels Jun 5 10:11:24.040:
vtsp_process_dsp_message: MSG_TX_GET_TX_STAT:
rtp_timestamp=0x94D00079 Jun 5 10:11:24.040: vtsp:[2/1:0
(39), S_WAIT_STATS, E_DSP_GET_TX] Jun 5 10:11:24.040:
act_stats_complete Jun 5 10:11:24.040: vtsp_timer_stop:
94719396 Jun 5 10:11:24.040: vtsp_ring_noan_timer_stop:
94719396 Jun 5 10:11:24.040: dsp_idle_mode: [2/1:0 (39)]
packet_len=8 channel_id=1 packet_id=68 Jun 5
10:11:24.040: vtsp_timer: 94719396 Jun 5 10:11:24.840:
vtsp:[2/1:0 (39), S_WAIT_RELEASE,
E_TSP_CALL_FEATURE_IND] Jun 5 10:11:24.840:
act_call_feature_ind Jun 5 10:11:24.840: vtsp:[2/1:0
(39), S_WAIT_RELEASE, E_TSP_DISCONNECT_CONF] Jun 5
10:11:24.840: act_wrelease_release Jun 5 10:11:24.840:
vtsp_timer_stop: 94719476 Jun 5 10:11:24.840:
dsp_cp_tone_off: [2/1:0 (39)] packet_len=8 channel_id=1
packet_id=71 Jun 5 10:11:24.840: dsp_idle_mode: [2/1:0
(39)] packet_len=8 channel_id=1 packet_id=68 Jun 5
10:11:24.840: dsp_close_voice_channel: [2/1:0 (39)]
packet_len=8 channel_id=1
packet_id=75vtsp_do_call_historyvtsp_do_call_history
CoderRate 20 Jun 5 10:11:24.840: vtsp:[2/1:0 (39),
S_CLOSE_DSPRM, E_DSPRM_CLOSE_COMPLETE] Jun 5
10:11:24.840: act_terminate Jun 5 10:11:24.840:
vtsp_free_cdb,cdb 0x620F01FC
```

[関連情報](#)

- [音声 : VoIPによるファックスリレーの設定\(T.38\)](#)
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- [音声とユニファイド コミュニケーションに関する製品サポート](#)
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