目录

简介

在Cisco2600的数字E$amp;M信令， 3600和MC3810路由器平台，一些T1/E1时间间隙能陷在EM_PARK状态。当您发出**show voice call summary命令时，**这可视。本文解释如何发现并解决此问题。

此输出显示一些时间间隙在EM_PARK状态。一个时间间隙在EM_PARK状态没有使用语音呼叫。

```
Router#show voice call summary PORT      CODEC     VAD    VTSP STATE     VPM STATE=====
======    ===    ==========     ==========1/0:0.1     -        -          -         EM_ONHOOK
1/0:0.2     -        -          -         EM_PARK 1/0:0.3     -        -          -
EM_PARK 1/0:0.4     -        -          -         EM_ONHOOK 1/0:0.5     -        -          -
EM_ONHOOK
```

先决条件

要求

本文档没有任何特定的要求。

使用的组件

本文档中的信息基于以下软件和硬件版本：

- 硬件？Cisco2600、Cisco3600、Cisco VG200和MC3810路由器
- 软件？所有

本文档中的信息都是基于特定实验室环境中的设备编写的。本文档中使用的所有设备最初均采用原始（默认）配置。如果您使用的是真实网络，请确保您已经了解所有命令的潜在影响。

背景理论

在T1 CAS，例如， WINK启动信令，当PBX去摘机时，路由器/网关侧时间间隙留在空闲(EM_ONHOOK)状态，直到呼叫由远程目的地应答。对EM_OFFHOOK的路由器时间间隙状态变换

，当呼叫由远程目的地应答。

如果呼叫不连接，路由器/网关播放带内重排序声音给呼叫方。因为在路由器端的信道状态仍然是EM_ONHOOK，路由器无法挂断信道。在呼叫方挂断后， PBX需要更改其信道状态从摘机到挂机。

有时， PBX不在ABCD帮助下传送挂机信息，过渡了。路由器有此的一应急方案呼叫的冒充应答。没有假应答应急方案，信道在EM_PARK的状态无限地暂停。欲知更多信息，请参阅Fake Answer部分。

注意： 如果语音网关路由器机箱没有适当地，电子被接地呼叫可以在EM_PARK状态被滞留在一些T1信道。参考硬件安装指南关于电子地面的更多信息。

规则

有关文档规则的详细信息，请参阅 Cisco 技术提示规则。

问题

有两可能，主要理由时间间隙在EM_PARK状态被滞留：

- 数字信号信号处理器(DSP)是坏的并且有任一个硬件或软件问题。
- PSTN switch/PBX发送一个连续挂机信号到路由器，并且不发布它。

解决方案

这些是解决方案对此问题：

如果在您的系统的时间间隙在EM_PARK状态被滞留，请检查DSP。参考排除故障在NM-HDV的DSP Cisco 2600/3600系列路由器的为了检查DSP。

如果DSP运行，问题可以在PSTN switch/PBX侧或Cisco IOS (路由器/网关不开始冒充应答步骤)。欲知更多信息，请参阅Fake Answer部分。

冒充应答

Cisco路由器/网关等待默认值30秒(请使用**超时等待版本**和**超时call-disconnect**命令为了更改这些值)，在知道后时间间隙需要从PBX设置为挂机，当播放交换机忙音时。

如果这不发生，路由器迁移时间间隙向EM_PARK状态并且启动有10秒的持续时间的另一个计时器。如果PBX不在10秒钟的持续时间之后仍然去挂机，路由器欺骗PBX。路由器发送一一秒钟持续时间的*冒充应答*然后去挂机。

在路由器发送假应答信号后，路由器启动五分钟另一个计时器。如果PBX去挂机，计时器终止和路由器转换时间间隙向EM_ONHOOK状态。否则，在五分钟之后它发送一秒期限的另一个假应答信号。路由器重复此进程，直到PBX去挂机。路由器强制PBX清除呼叫。

注意： 因为清除，此回答的转换没有更新对任何计费记录实际呼叫。当答案和用户对一秒期限呼叫，很可能收费，但是， PBX了解它。

如果DSP关联与时间间隙在EM_PARK状态活跃和健康的，并且问题持续，请运行debug vpm all和debug vtsp all命令为了发现Cisco IOS是否尝试发送冒充应答。

注意： 您需要运行调试超过五分钟。

注意： 在大多数情况下，如果DSP是坏的，路由器不执行假应答应急方案。参考排除故障在NM-HDV的DSP Cisco 2600/3600系列路由器的欲知更多信息。

此debug输出显示时间间隙如何变得卡住在EM_PARK，并且如何假应答应急方案工作。

```
Jan 11 17:19:00.767: htsp_dsp_message: SEND/RESP_SIG_STATUS: state=0xC timestamp=44262
systime=31305235Jan 11 17:19:00.767: htsp_process_event:[4/1:1(10), EM_ONHOOK,
E_DSP_SIG_1100]em_onhook_offhook htsp_setup_ind!--- Offhook signal is received from the
switch.Jan 11 17:19:00.767: [4/1:1(10)] get_local_station_id calling num= calling name=calling
time=01/11 17:19 Jan 11 17:19:00.767: vtsp_tsp_call_setup_ind (sdb=0x62BB7B14, tdm_info=0x0,
tsp_info=0x62BB4050, calling_number= calling_oct3 = 0x0, called_number= called_oct3 = 0x81,
oct3a=0x0): peer_tag=0Jan 11 17:19:00.767: : ev.clg.clir is 0ev.clg.clid_transparent
is0ev.clg.null_orig_clg is 1ev.clg.calling_translated is falseJan 11 17:19:00.767: htsp_timer -
3000 msecJan 11 17:19:00.767: vtsp_do_call_setup_indJan 11 17:19:00.767: vtsp_allocate_cdb,cdb
0x62DCEA70Jan 11 17:19:00.767: vtsp_do_call_setup_ind: Call ID=112722, guid=62DC4230Jan 11
17:19:00.767: vtsp_do_call_setup_ind: type=0, under_spec=1640890368, name=, id0=10, id1=1,
id2=25038, calling=, called= subscriber=RegularLineJan 11 17:19:00.767:
vtsp_do_normal_call_setup_indJan 11 17:19:00.771: cc_api_call_setup_ind (vdbPtr=0x62BB7FA0,
callInfo={called=,called_oct3=0x81,calling=,calling_oct3=0x0,calling_oct3a=0x0,calling_xlated=fa
lse,subscriber_type_str=RegularLine,fdest=0,peer_tag=0, prog_ind=3},callID=0x62DC40DC)Jan 11
17:19:00.771: cc_api_call_setup_ind type 1 , prot 0Jan 11 17:19:00.771: vtsp_insert_cdb,cdb
0x62DCEA70Jan 11 17:19:00.771: vtsp_open_voice_and_set_params Jan 11 17:19:00.771:
dsp_close_voice_channel: [4/1:1:32995] packet_len=8 channel_id=3 packet_id=75Jan 11
17:19:00.771: dsp_open_voice_channel_20: [4/1:1:32995] packet_len=16 channel_id=3 packet_id=74
alaw_ulaw_select=0 associated_signaling_channel=130 time_slot=2 serial_port=0Jan 11
17:19:00.771: vtsp_modem_proto_from_cdb: cap_modem_proto 1073741824Jan 11 17:19:00.771:
vtsp_modem_proto_from_cdb: cap_modem_proto 1073741824Jan 11 17:19:00.771: dsp_encap_config:
[4/1:1:32995] packet_len=30 channel_id=3 packet_id=92 TransportProtocol 2 t_ssrc=0x0 r_ssrc=0x0
t_vpxcc=0x0 r_vpxcc=0x0sid_support=1, tse_payload=65535, seq_num=0x0, redundancy=0Jan 11
17:19:00.771: dsp_set_playout_delayJan 11 17:19:00.771: dsp_set_playout: [4/1:1:32995]
packet_len=18 channel_id=3 packet_id=76 mode=1 initial=60 min=40 max=200 fax_nom=300
dsp_set_playout_delay_configJan 11 17:19:00.771: dsp_set_playout_configJan 11 17:19:00.771: mode
0, init 60, min 40, max 200 playout default Jan 11 17:19:00.771: dsp_set_playout_config:mode 0,
init 60, min 40, max 200 Jan 11 17:19:00.771: dsp_set_playout_config: [4/1:1:32995]
packet_len=18 channel_id=3 packet_id=76 mode=1 initial=60 min=40 max=200 fax_nom=300 Jan 11
17:19:00.771: dsp_echo_canceler_control: echo_cancel: 1Jan 11 17:19:00.771:
dsp_echo_canceler_control: [4/1:1:32995] echo_cancel 1, disable_hpf 0, flags=0x0, threshold=-
21Jan 11 17:19:00.771: dsp_echo_canceler_control: [4/1:1:32995] packet_len=12 channel_id=3
packet_id=66 flags=0x0, threshold=-21Jan 11 17:19:00.771: set_gains: FXx/E&M: msg-
>message.set_codec_gains.out_gain=0Jan 11 17:19:00.771: dsp_set_gains: [4/1:1:32995]
packet_len=12 channel_id=3 packet_id=91 in_gain=0 out_gain=0Jan 11 17:19:00.771: dsp_vad_enable:
[4/1:1:32995] enable: packet_len=12 channel_id=3 packet_id=78 thresh=-38Jan 11 17:19:00.771:
cc_process_call_setup_ind (event=0x62E63ACC)Jan 11 17:19:00.771: >>>>CCAPI handed cid 32995 with
tag 0 to app "DEFAULT"Jan 11 17:19:00.771: sess_appl: ev(24=CC_EV_CALL_SETUP_IND), cid(32995),
disp(0)Jan 11 17:19:00.771: sess_appl: ev(SSA_EV_CALL_SETUP_IND), cid(32995), disp(0)Jan 11
17:19:00.771: ssaCallSetupInd Jan 11 17:19:00.771: ccCallSetContext (callID=0x80E3,
context=0x62DFBCF0)Jan 11 17:19:00.771: ssaCallSetupInd cid(32995), st(SSA_CS_MAPPING),oldst(0),
ev(24)ev->e.evCallSetupInd.nCallInfo.finalDestFlag = 0Jan 11 17:19:00.771: ccCallSetupAck
(callID=0x80E3)Jan 11 17:19:00.771: ccGenerateTone (callID=0x80E3 tone=8)Jan 11 17:19:00.771:
ccCallReportDigits (callID=0x80E3, enable=0x1)Jan 11 17:19:00.771: vtsp_report_digit_control:
enable=1: digit reporting enabledJan 11 17:19:00.771: cc_api_call_report_digits_done
(vdbPtr=0x62BB7FA0, callID=0x80E3, disp=0)Jan 11 17:19:00.771: : vtsp_get_digit_timeoutsJan 11
17:19:00.771: sess_appl: ev(52=CC_EV_CALL_REPORT_DIGITS_DONE), cid(32995), disp(0)Jan 11
17:19:00.771:
cid(32995)st(SSA_CS_MAPPING)ev(SSA_EV_CALL_REPORT_DIGITS_DONE)oldst(SSA_CS_MAPPING)cfid(-
1)csize(0)in(1)fDest(0)Jan 11 17:19:00.771: ssaReportDigitsDone cid(32995) peer list: (empty)Jan
11 17:19:00.771: ssaReportDigitsDone callid=32995 Enable succeededJan 11 17:19:00.771:
```

ccGenerateTone (callID=0x80E3 tone=8)Jan 11 17:19:00.771: vtsp:[4/1:1:32995, S_SETUP_INDICATED, E_CC_SETUP_ACK]Jan 11 17:19:00.775: act_setup_ind_ack Jan 11 17:19:00.775: vtsp_modem_proto_from_cdb: cap_modem_proto 0Jan 11 17:19:00.775: vtsp_modem_proto_from_cdb: cap_modem_proto 0Jan 11 17:19:00.775: dsp_encap_config: [4/1:1:32995] packet_len=30 channel_id=3 packet_id=92 TransportProtocol 2 t_ssrc=0x0 r_ssrc=0x0 t_vpxcc=0x0 r_vpxcc=0x0sid_support=1, tse_payload=65535, seq_num=0x0, redundancy=0Jan 11 17:19:00.775: dsp_voice_mode: [4/1:1:32995] cdb 62DCEA70, cdb->codec_params.modem 2, inband_detect flags 0x21Jan 11 17:19:00.775: map_dtmf_relay_type--digit relay mode: 2Jan 11 17:19:00.775: dsp_voice_mode: [4/1:1:32995] packet_len=24 channel_id=3 packet_id=73 coding_type=1 voice_field_size=160 VAD_flag=0 echo_length=256 comfort_noise=1 inband_detect=33 digit_relay_mode=2 AGC_flag=0act_setup_ind_ack: modem_mode = 0, fax_relay_on = 1Jan 11 17:19:00.775: act_setup_ind_ack(): dsp_dtmf_mode() dsp_dtmf_mode(VTSP_TONE_DTMF_MODE)Jan 11 17:19:00.775: dsp_dtmf_mode: [4/1:1:32995] packet_len=10 channel_id=3 packet_id=65 dtmf_or_mf=0Jan 11 17:19:00.775: vtsp_timer: 31305236Jan 11 17:19:00.775: vtsp:[4/1:1:32995, S_DIGIT_COLLECT, E_CC_GEN_TONE]Jan 11 17:19:00.775: act_gen_toneJan 11 17:19:00.775: dsp_cp_tone_off: [4/1:1:32995] packet_len=8 channel_id=3 packet_id=71Jan 11 17:19:00.775: dsp_cp_tone_on: [4/1:1:32995] packet_len=38 channel_id=3 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=0Jan 11 17:19:00.775: vtsp:[4/1:1:32995, S_DIGIT_COLLECT, E_CC_GEN_TONE]Jan 11 17:19:00.775: act_gen_toneJan 11 17:19:00.775: dsp_cp_tone_off: [4/1:1:32995] packet_len=8 channel_id=3 packet_id=71Jan 11 17:19:00.775: dsp_cp_tone_on: [4/1:1:32995] packet_len=38 channel_id=3 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_time4_second=0 off_time_second=0Jan 11 17:19:00.775: htsp_process_event: [4/1:1(10), EM_WAIT_SETUP_ACK, E_HTSP_SETUP_ACK]em_wait_setup_ack_get_ack Jan 11 17:19:00.775: htsp_timer_stop Jan 11 17:19:00.775: htsp_timer2 - 172 msecJan 11 17:19:00.947: htsp_process_event: [4/1:1(10), EM_WAIT_SETUP_ACK, E_HTSP_EVENT_TIMER2]em_wait_prewink_timer **Jan 11 17:19:00.947: em_offhook (0)[recEive and transMit4/1:1(10)] set signal state = 0x8em_onhook (200)[recEive and transMit4/1:1(10)] set signal state = 0x0***!--- A wink of duration 200 msec is sent out to the switch.*Jan 11 17:19:01.471: vtsp_process_dsp_message: MSG_TX_DTMF_DIGIT_BEGIN: digit=9,rtp_timestamp=0xED31C493Jan 11 17:19:01.471: vtsp:[4/1:1:32995, S_DIGIT_COLLECT, E_DSP_DTMF_DIGIT_BEGIN]Jan 11 17:19:01.471: act_report_digit_begin Jan 11 17:19:01.471: cc_api_call_digit_begin (dstVdbPtr=0x0, dstCallId=0xFFFFFFFF, srcCallId=0x80E3,digit=9, digit_begin_flags=0x1, rtp_timestamp=0xED31C493 rtp_expiration=0x0, dest_mask=0x1)Jan 11 17:19:01.471: sess_appl: ev(10=CC_EV_CALL_DIGIT_BEGIN), cid(32995), disp(0)Jan 11 17:19:01.471: cid(32995)st(SSA_CS_MAPPING)ev(SSA_EV_DIGIT_BEGIN)oldst(SSA_CS_MAPPING)cfid(-1)csize(0)in(1)fDest(0)Jan 11 17:19:01.471: ssaIgnore cid(32995), st(SSA_CS_MAPPING),oldst(0), ev(10)Jan 11 17:19:01.503: vtsp_process_dsp_message: MSG_TX_DTMF_DIGIT_OFF: digit=9, duration=65Jan 11 17:19:01.503: vtsp:[4/1:1:32995, S_DIGIT_COLLECT, E_DSP_DTMF_DIGIT]Jan 11 17:19:01.503: act_report_digit_end Jan 11 17:19:01.503: vtsp_timer_stop: 31305308Jan 11 17:19:01.503: dsp_cp_tone_off: [4/1:1:32995] packet_len=8 channel_id=3 packet_id=71Jan 11 17:19:01.503: cc_api_call_digit_end (dstVdbPtr=0x0, dstCallId=0xFFFFFFFF,srcCallId=0x80E3,digit=9,duration=65,xruleCallingTag=0,xruleCalledTag=0, dest_mask=0x1), digit_tone_mode=0Jan 11 17:19:01.503: htsp_digit_ready: digit = 39Jan 11 17:19:01.503: vtsp_timer: 31305308Jan 11 17:19:01.503: htsp_process_event: [4/1:1(10), EM_OFFHOOK, E_VTSP_DIGIT]em_offhook_digit_collect Jan 11 17:19:01.503: sess_appl: ev(9=CC_EV_CALL_DIGIT_END), cid(32995), disp(0)Jan 11 17:19:01.503: cid(32995)st(SSA_CS_MAPPING)ev(SSA_EV_CALL_DIGIT)oldst(SSA_CS_MAPPING)cfid(-1)csize(0)in(1)fDest(0)Jan 11 17:19:01.503: ssaDigitJan 11 17:19:01.503: ssaDigit, 0. sct->digit , sct->digit len 0, usrDigit 9, digit_tone_mode=0Jan 11 17:19:01.503: ssaDigit,1. callinfo.called , digit 9, callinfo.calling , xrulecallingtag 0, xrulecalledtag 0Jan 11 17:19:01.503: ssaDigit, 7. callinfo.calling , sct->digit 9, result 1Jan 11 17:19:01.603: vtsp_process_dsp_message: MSG_TX_DTMF_DIGIT_BEGIN: digit=1, rtp_timestamp=0xED31C493Jan 11 17:19:01.603: vtsp:[4/1:1:32995, S_DIGIT_COLLECT, E_DSP_DTMF_DIGIT_BEGIN]Jan 11 17:19:01.603: act_report_digit_begin Jan 11 17:19:01.603: cc_api_call_digit_begin (dstVdbPtr=0x0, dstCallId=0xFFFFFFFF, srcCallId=0x80E3,digit=1, digit_begin_flags=0x1, rtp_timestamp=0xED31C493 rtp_expiration=0x0, dest_mask=0x1)Jan 11 17:19:01.603: sess_appl: ev(10=CC_EV_CALL_DIGIT_BEGIN), cid(32995), disp(0)Jan 11 17:19:01.603: cid(32995)st(SSA_CS_MAPPING)ev(SSA_EV_DIGIT_BEGIN)oldst(SSA_CS_MAPPING)cfid(-1)csize(0)in(1)fDest(0)Jan 11 17:19:01.603: ssaIgnore cid(32995), st(SSA_CS_MAPPING),oldst(0), ev(10)Jan 11 17:19:01.643: vtsp_process_dsp_message: MSG_TX_DTMF_DIGIT_OFF: digit=1, duration=75Jan 11 17:19:01.643: vtsp:[4/1:1:32995, S_DIGIT_COLLECT, E_DSP_DTMF_DIGIT]Jan 11 17:19:01.643: act_report_digit_end Jan 11 17:19:01.643: vtsp_timer_stop: 31305322Jan 11 17:19:01.643: cc_api_call_digit_end (dstVdbPtr=0x0,

dstCallId=0xFFFFFFFF,srcCallId=0x80E3,digit=1,duration=75,xruleCallingTag=0,xruleCalledTag=0, dest_mask=0x1), digit_tone_mode=0Jan 11 17:19:01.643: htsp_digit_ready: digit = 31Jan 11 17:19:01.643: vtsp_timer: 31305322Jan 11 17:19:01.643: htsp_process_event: [4/1:1(10), EM_OFFHOOK, E_VTSP_DIGIT]em_offhook_digit_collect Jan 11 17:19:01.643: sess_appl: ev(9=CC_EV_CALL_DIGIT_END), cid(32995), disp(0)Jan 11 17:19:01.643: cid(32995)st(SSA_CS_MAPPING)ev(SSA_EV_CALL_DIGIT)oldst(SSA_CS_MAPPING)cfid(-1)csize(0)in(1)fDest(0)Jan 11 17:19:01.643: ssaDigitJan 11 17:19:01.643: ssaDigit, 0. sct->digit 9, sct->digit len 1, usrDigit 1, digit_tone_mode=0Jan 11 17:19:01.643: ssaDigit,1. callinfo.called , digit 91, callinfo.calling , xrulecallingtag 0, xrulecalledtag 0Jan 11 17:19:01.643: ssaDigit, 7. callinfo.calling , sct->digit 91, result 1Jan 11 17:19:01.743: vtsp_process_dsp_message: MSG_TX_DTMF_DIGIT_BEGIN: digit=8, rtp_timestamp=0xED31C493Jan 11 17:19:01.743: vtsp:[4/1:1:32995, S_DIGIT_COLLECT, E_DSP_DTMF_DIGIT_BEGIN]Jan 11 17:19:01.743: act_report_digit_begin Jan 11 17:19:01.743: cc_api_call_digit_begin (dstVdbPtr=0x0, dstCallId=0xFFFFFFFF, srcCallId=0x80E3,digit=8, digit_begin_flags=0x1, rtp_timestamp=0xED31C493rtp_expiration=0x0, dest_mask=0x1)Jan 11 17:19:01.743: sess_appl: ev(10=CC_EV_CALL_DIGIT_BEGIN), cid(32995), disp(0)Jan 11 17:19:01.743: cid(32995)st(SSA_CS_MAPPING)ev(SSA_EV_DIGIT_BEGIN)oldst(SSA_CS_MAPPING)cfid(-1)csize(0)in(1)fDest(0)Jan 11 17:19:01.743: ssaIgnore cid(32995), st(SSA_CS_MAPPING),oldst(0), ev(10) radius_decrypt: null length Jan 11 17:19:01.843: vtsp_process_dsp_message: MSG_TX_DTMF_DIGIT_OFF: digit=8, duration=75Jan 11 17:19:01.843: vtsp:[4/1:1:32995, S_DIGIT_COLLECT, E_DSP_DTMF_DIGIT]Jan 11 17:19:01.843: act_report_digit_end Jan 11 17:19:01.843: vtsp_timer_stop: 31305342Jan 11 17:19:01.843: cc_api_call_digit_end (dstVdbPtr=0x0, dstCallId=0xFFFFFFFF,srcCallId=0x80E3,digit=8,duration=75,xruleCallingTag=0,xruleCalledTag=0, dest_mask=0x1), digit_tone_mode=0Jan 11 17:19:01.843: htsp_digit_ready: digit = 38Jan 11 17:19:01.843: vtsp_timer: 31305342Jan 11 17:19:01.843: htsp_process_event: [4/1:1(10), EM_OFFHOOK, E_VTSP_DIGIT]em_offhook_digit_collect Jan 11 17:19:01.843: sess_appl: ev(9=CC_EV_CALL_DIGIT_END), cid(32995), disp(0)Jan 11 17:19:01.843: cid(32995)st(SSA_CS_MAPPING)ev(SSA_EV_CALL_DIGIT)oldst(SSA_CS_MAPPING)cfid(-1)csize(0)in(1)fDest(0)Jan 11 17:19:01.843: ssaDigitJan 11 17:19:01.843: ssaDigit, 0. sct->digit 91, sct->digit len 2, usrDigit 8, digit_tone_mode=0Jan 11 17:19:01.843: ssaDigit,1. callinfo.called , digit 918, callinfo.calling ,xrulecallingtag 0, xrulecalledtag 0Jan 11 17:19:01.843: ssaDigit, 7. callinfo.calling , sct->digit 918, result -1Jan 11 17:19:01.843: ccCallDisconnect (callID=0x80E3, cause=0x1C tag=0x0)Jan 11 17:19:01.843: vtsp:[4/1:1:32995, S_DIGIT_COLLECT, E_CC_DISCONNECT]Jan 11 17:19:01.843: act_pre_con_disconnect Jan 11 17:19:01.843: vtsp_ring_noan_timer_stop: 31305342Jan 11 17:19:01.843: dsp_cp_tone_off: [4/1:1:32995] packet_len=8 channel_id=3 packet_id=71Jan 11 17:19:01.843: dsp_voice_mode: [4/1:1:32995] cdb 62DCEA70, cdb->codec_params.modem 2, inband_detect flags 0x21Jan 11 17:19:01.843: map_dtmf_relay_type--digit relay mode: 2Jan 11 17:19:01.843: dsp_voice_mode: [4/1:1:32995] packet_len=24 channel_id=3 packet_id=73 coding_type=1 voice_field_size=160 VAD_flag=0 echo_length=256 comfort_noise=1 inband_detect=33 digit_relay_mode=2 AGC_flag=0Jan 11 17:19:01.843: **dsp_cp_tone_on: [4/1:1:32995] packet_len=38 channel_id=3 packet_id=72 tone_id=3 n_freq=2 freq_of_first=480 freq_of_second=620amp_of_first=5206 amp_of_second=2928 direction=1 on_time_first=250 off_time_first=250 on_time_second=0 off_time_second=0**Jan 11 17:19:01.843: **vtsp_timer: 31305342Jan 11 17:19:01.843: htsp_pre_connect_disconnect, cdb = 62DCEA70 cause = 1C***!--- Since the call is disconnected because the number received is "unassigned" !--- or "invalid" the router starts to play the reorder !--- tone and a timer, which is the wait-release !--- timeout timer, starts with default 30 seconds. !--- This call is disconnected !--- prior to the connect state.*Jan 11 17:19:01.843: htsp_process_event: [4/1:1(10), EM_OFFHOOK, E_HTSP_PRE_CONN_DISC]**Jan 11 17:19:31.844: vtsp_main: timer: 31308342***!--- The wait-release timer expires after 30 seconds.***Jan 11 17:19:31.844: vtsp:[4/1:1:32995, S_WAIT_RELEASE_NC, E_TIMER]***!--- The VTSP module is in a wait release state for that call. It also receives !--- event timer, which means that the timer expires so that it !--- goes into another state.*Jan 11 17:19:31.844: act_pre_con_disc_rel htsp_release_req: cause 28, no_onhook 0**Jan 11 17:19:31.844: htsp_process_event: [4/1:1(10), EM_OFFHOOK, E_HTSP_RELEASE_REQ]em_offhook_release Jan 11 17:19:31.844: htsp_timer_stop2 em_onhook (0)[recEive and transMit4/1:1(10)] set signal state = 0x0Jan 11 17:19:31.844: htsp_timer_stop Jan 11 17:19:31.844: em_start_timer: 400 ms Jan 11 17:19:31.844: htsp_timer - 400 msec***!--- HTSP receives an event that requests the release of !--- the time slot and it goes into EM wait !--- onhook state. But, it cannot do anything since it says I am onhook already. !--- Also, the router starts a timer of 400 msec.***Jan 11 17:19:32.296: htsp_process_event: [4/1:1(10), EM_WAIT_ONHOOK, E_HTSP_EVENT_TIMER]em_wait_timeout Jan 11 17:19:32.296: em_stop_timers Jan 11 17:19:32.296: htsp_timer_stop Jan 11 17:19:32.296: em_start_timer: 400 ms Jan 11 17:19:32.296: htsp_timer - 400 msec***!--- When the 400 msec timer expires, HTSP gets into EM clear pending state. !--- It also starts another timer of 400 msec.*Jan 11 17:19:32.696: htsp_process_event: [4/1:1(10), EM_CLR_PENDING,

E_HTSP_EVENT_TIMER]em_clr_timeout Jan 11 17:19:32.696: em_stop_timers Jan 11 17:19:32.696: htsp_timer_stop Jan 11 17:19:32.696: em_start_timer: 10000 ms Jan 11 17:19:32.696: htsp_timer - 10000 msecJan 11 17:19:32.700: htsp_dsp_message: SEND/RESP_SIG_STATUS: state=0xC timestamp=1533 systime=31308428Jan 11 17:19:32.700: htsp_process_event: [4/1:1(10), EM_PARK, E_DSP_SIG_1100]em_park_offhook*!--- When the 400 msec timer expires, the router puts the time slot into !--- the EM_PARK state, and it starts another timer of 10 seconds. !--- The router still sees the ABCD=1100 from the switch.***Jan 11 17:19:42.760: htsp_process_event: [4/1:1(10), EM_PARK, E_HTSP_EVENT_TIMER]em_park_timerhtsp_report_onhook_sigJan 11 17:19:42.760: em_offhook (0)[recEive and transMit4/1:1(10)] set signal state = 0x8em_onhook (1000)[recEive and transMit4/1:1(10)] set signal state = 0x0Jan 11 17:19:42.760: htsp_timer2 - 300000 msecJan 11 17:19:42.760: htsp_process_event: [4/1:1(10), EM_PARK, E_HTSP_EVENT_TIMER]em_park_timerhtsp_report_onhook_sigJan 11 17:19:42.760: em_offhook (0)[recEive and transMit4/1:1(10)] set signal state = 0x8em_onhook (1000)[recEive andtransMit4/1:1(10)] set signal state = 0x0Jan 11 17:19:42.760: htsp_timer2 - 300000 msec***!--- As seen from the timestamps, when the timer expires in ten seconds, !--- the router goes offhook for one second (1000 msec) and then onhook. !--- It also starts another timer of 300000 msec (5 minutes).*

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