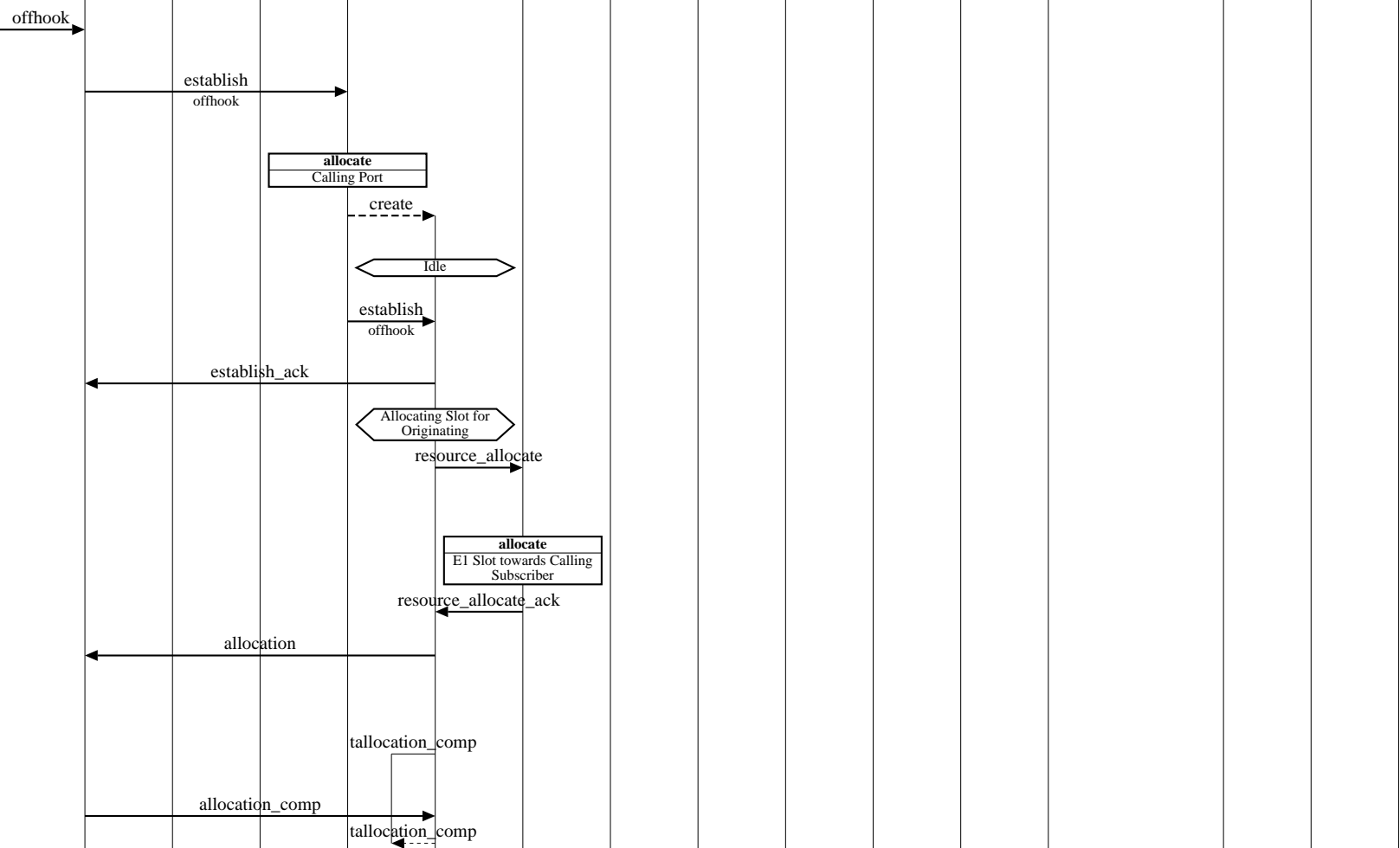


V5.2 Originated and V5.2 Terminated Call (V5.2 to V5.2 Call -- Pulse Dialing, Calling Subscriber Clears)																	
subscriber 1	access network 1	switching system										access network 2	subscriber 2	EventHelix.com/EventStudio 1.5			
sub 1	v52 AN 1	call handler 1					central processor			call handler 2					v52 AN 2	sub 2	
sub 1	v52 AN 1	dsp 1	tone manager 1	call manager 1	v52 call 1	E1 allocator 1	time slot allocator 1	routing manager	space slot allocator	tone manager 2	time slot allocator 2	E1 allocator 2	v52 call 2	call manager 2	v52 AN 2	sub 2	30-May-02 23:11 (Page 1)

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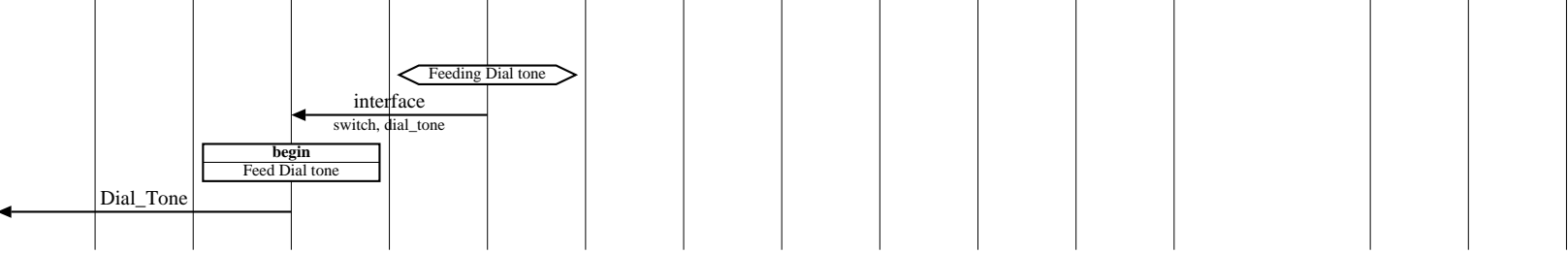
V5.2 calling subscriber goes offhook



V5.2 calling subscriber offhook indication received in the access network
 V5.2 calling subscriber offhook indication received by the switching system in establish message
 Resource, calling port is allocated for the call
 Call manager creates originating V5.2 call object to handle the call
 The initial state of V5.2 call is set to idle
 V5.2 calling subscriber offhook indication is passed to V5.2 call in establish message
 Establish ack is sent to the V5.2 access network

Request for E1 Slot towards calling subscriber is sent
LEG: E1 slot available for V5.2 Subscriber
 Resource E1 Slot is allocated towards V5.2 calling subscriber
 E1 and timeslot allocation is passed to the V5.2 access network. The allocation message is used for this purpose
 V5.2 call awaits allocation complete message from access network
 Allocation complete is received

Voice path is established between the subscriber and the switch. Now the switch prepares for collecting digits from the subscriber.



LEG: Pulse Dialing Subscriber
 Request to switch dial tone towards V5.2 calling subscriber
 Dial tone feed is passed directly to the subscriber via

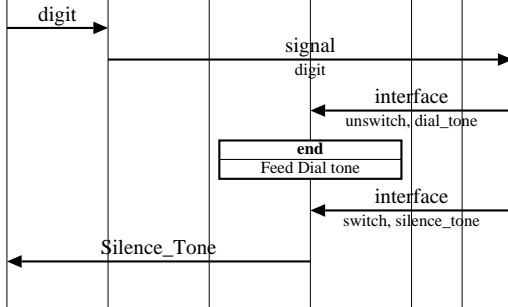
V5.2 Originated and V5.2 Terminated Call (V5.2 to V5.2 Call -- Pulse Dialing, Calling Subscriber Clears)															access network 2	subscriber 2	EventHelix.com/EventStudio 1.5
subscriber 1	access network 1	switching system										subscriber 2	EventHelix.com/EventStudio 1.5				
sub 1	v52 AN 1	call handler 1					central processor			call handler 2					v52 AN 2	sub 2	
sub 1	v52 AN 1	dsp 1	tone manager 1	call manager 1	v52 call 1	E1 allocator 1	time slot allocator 1	routing manager	space slot allocator	tone manager 2	time slot allocator 2	E1 allocator 2	v52 call 2	call manager 2	v52 AN 2	sub 2	30-May-02 23:11 (Page 2)

the voice path

Dial tone is being fed to the V5.2 calling subscriber

LEG: Complete Dialling
 Originating V5.2 call awaits digits by starting IDT timer (Inter Digit Timer)

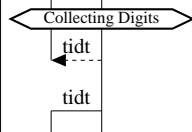
V5.2 calling subscriber dials first digit



Pulse digit dialled by V5.2 calling subscriber received
 Stop dial tone towards V5.2 calling subscriber

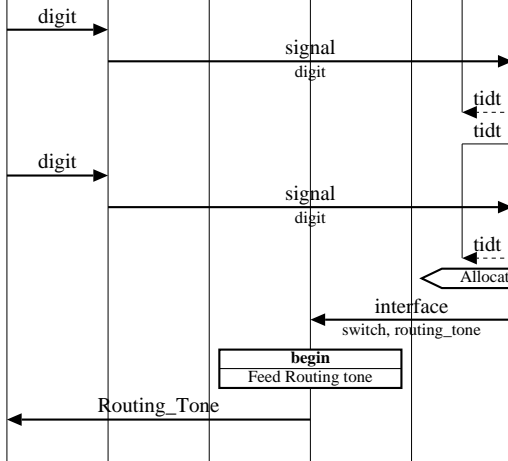
Switch silence tone towards V5.2 calling subscriber
 Silence tone feed is passed directly to the subscriber via the voice path

Silence tone is being fed to the V5.2 calling subscriber



Stop IDT timer upon receipt of first dialled digit
 Start IDT timer to await next digit

V5.2 calling subscriber dials next digit



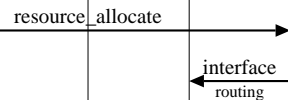
Next digit dialled by V5.2 calling subscriber received

Next digit dialled by V5.2 calling subscriber received
 End of dialling detected

Switch routing tone towards V5.2 calling subscriber

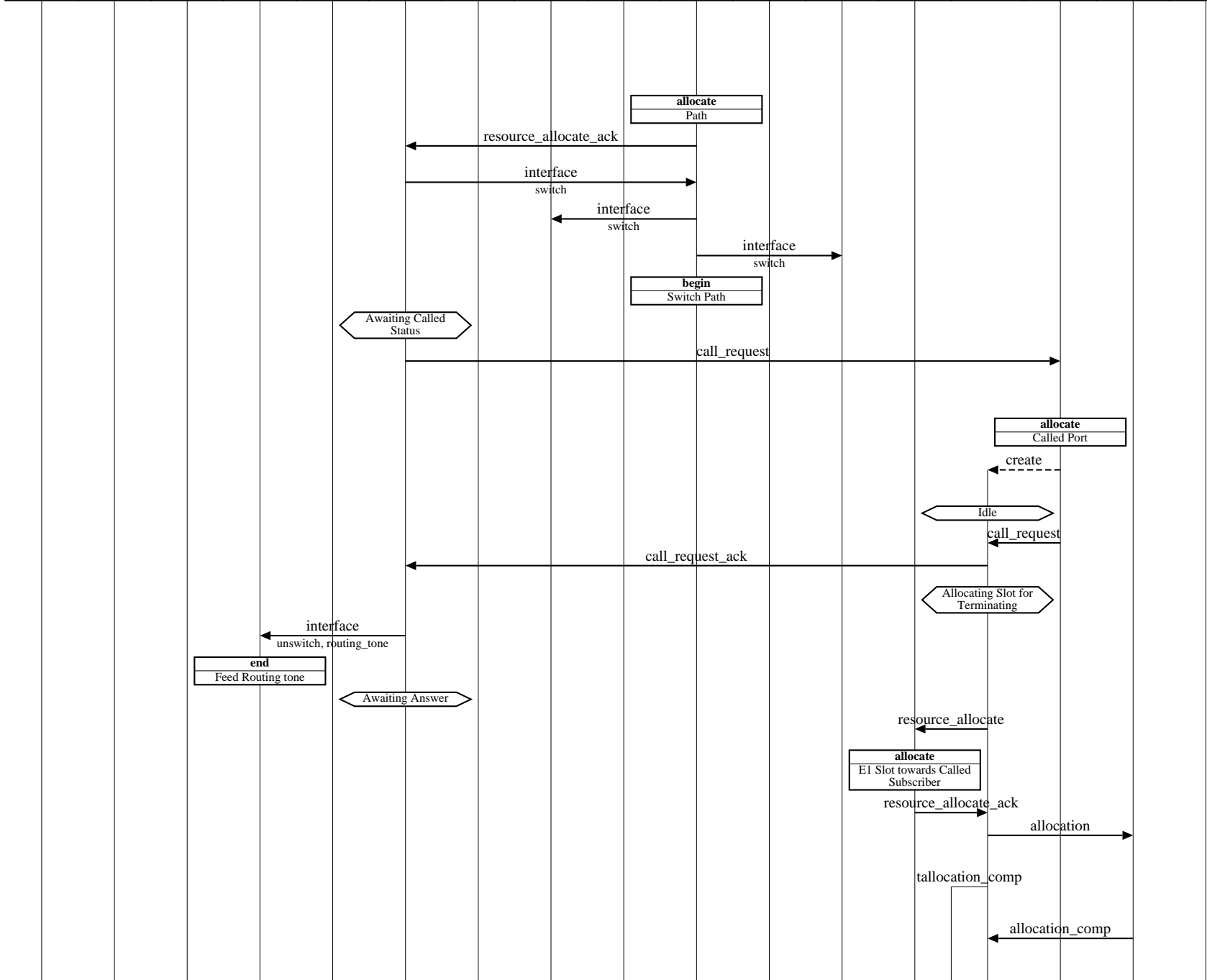
Routing tone feed is passed directly to the subscriber via the voice path

Routing tone is being fed to V5.2 calling subscriber



Send resource request for space slot
 Call routing being performed

V5.2 Originated and V5.2 Terminated Call (V5.2 to V5.2 Call -- Pulse Dialing, Calling Subscriber Clears)																		
subscriber 1	access network 1	switching system												access network 2	subscriber 2			
sub 1	v52 AN 1	call handler 1					central processor					call handler 2					v52 AN 2	sub 2
sub 1	v52 AN 1	dsp 1	tone manager 1	call manager 1	v52 call 1	E1 allocator 1	time slot allocator 1	routing manager	space slot allocator	tone manager 2	time slot allocator 2	E1 allocator 2	v52 call 2	call manager 2	v52 AN 2	sub 2		
EventHelix.com/EventStudio 1.5																		
30-May-02 23:11 (Page 3)																		



LEG: Routing is successful
 Call to be terminated in this exchange detected; EntityID for called directory number determined

Resource Response containing t-s-t resources for call received
 Switch the path for call

Perform t-s switching for call

Perform s-t switching for call

Send call request to terminating call handler

LEG: Called Subscriber is free
 Resource, called port is allocated for the call
 Call manager creates terminating V5.2 call object to handle the call

Indicate that called subscriber is free

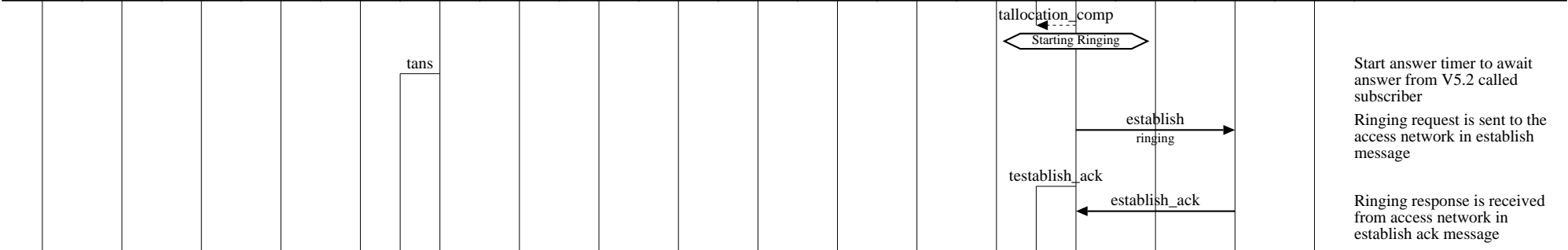
Stop routing tone towards V5.2 calling subscriber

Send E1 slot request towards V5.2 called subscriber

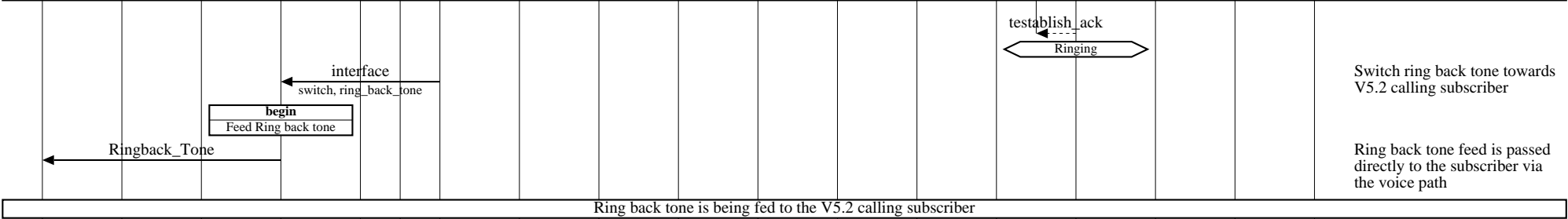
E1 and specific timeslot on it indicated for V5.2 called subscriber
 Terminating V5.2 call awaits allocation complete from access network
 Allocation complete message is received

V5.2 Originated and V5.2 Terminated Call (V5.2 to V5.2 Call -- Pulse Dialing, Calling Subscriber Clears)

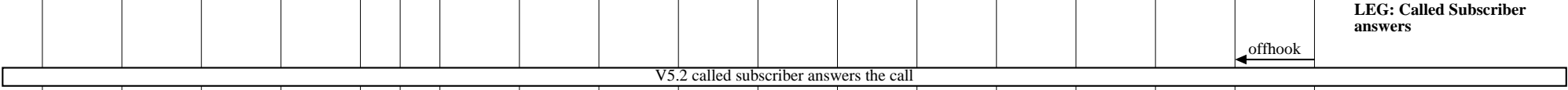
subscriber 1	access network 1	switching system											access network 2	subscriber 2	EventHelix.com/EventStudio 1.5			
sub 1	v52 AN 1	call handler 1					central processor				call handler 2					v52 AN 2	sub 2	
sub 1	v52 AN 1	dsp 1	tone manager 1	call manager 1	v52 call 1	E1 allocator 1	time slot allocator 1	routing manager	space slot allocator	tone manager 2	time slot allocator 2	E1 allocator 2	v52 call 2	call manager 2	v52 AN 2	sub 2	30-May-02 23:11 (Page 4)	



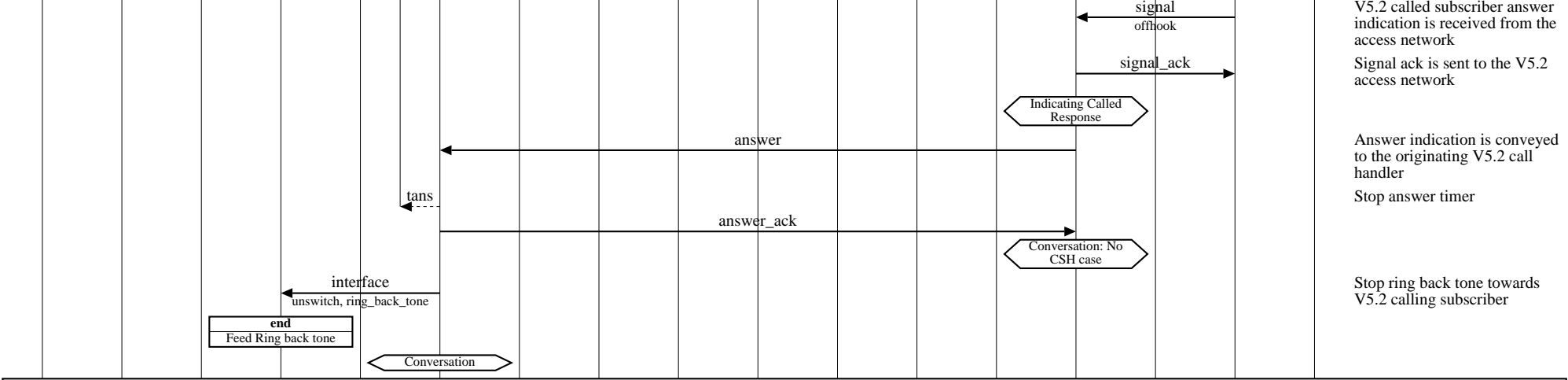
V5.2 called subscriber is being rung



Ring back tone is being fed to the V5.2 calling subscriber



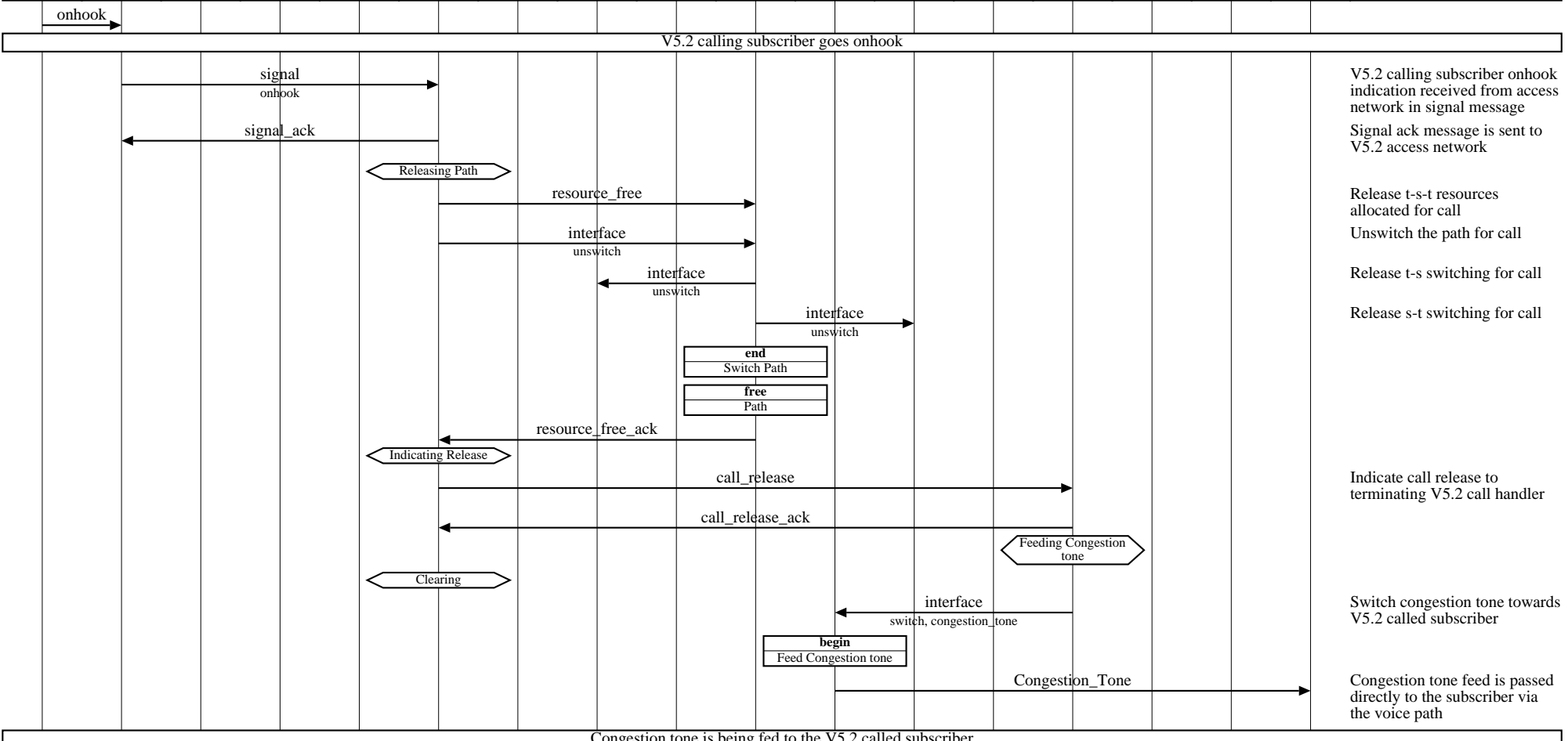
V5.2 called subscriber answers the call



Call is in conversation



V5.2 Originated and V5.2 Terminated Call (V5.2 to V5.2 Call -- Pulse Dialing, Calling Subscriber Clears)																	
subscriber 1	access network 1	switching system												access network 2	subscriber 2	EventHelix.com/EventStudio 1.5	
sub 1	v52 AN 1	call handler 1					central processor				call handler 2				v52 AN 2	sub 2	
sub 1	v52 AN 1	dsp 1	tone manager 1	call manager 1	v52 call 1	E1 allocator 1	time slot allocator 1	routing manager	space slot allocator	tone manager 2	time slot allocator 2	E1 allocator 2	v52 call 2	call manager 2	v52 AN 2	sub 2	30-May-02 23:11 (Page 5)



V5.2 calling subscriber onhook indication received from access network in signal message
Signal ack message is sent to V5.2 access network

Release t-s-t resources allocated for call
Unswitch the path for call
Release t-s switching for call
Release s-t switching for call

Indicate call release to terminating V5.2 call handler

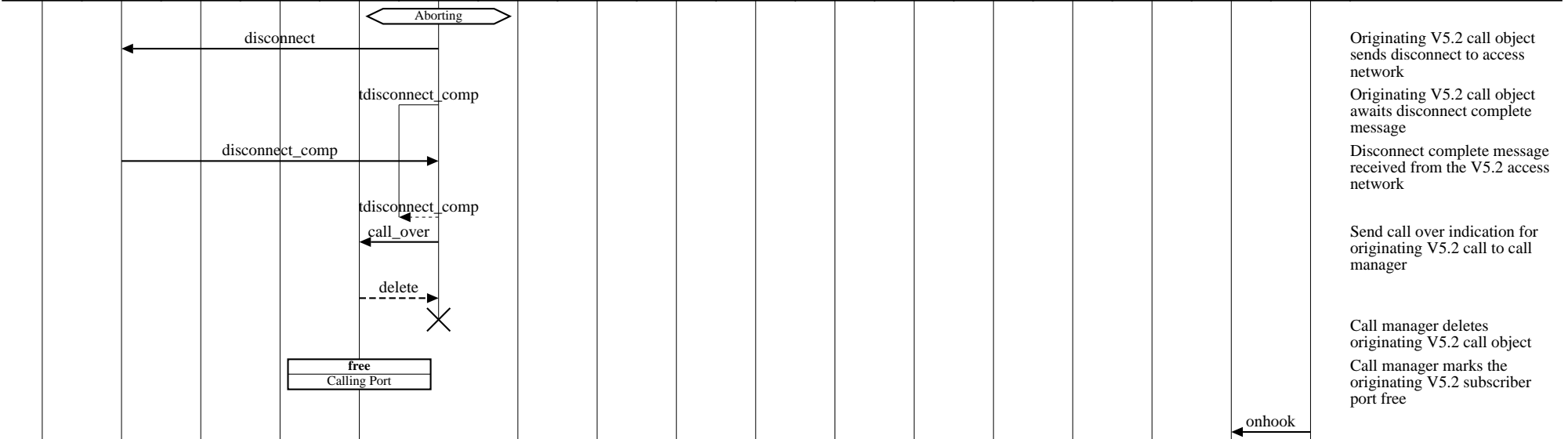
Switch congestion tone towards V5.2 called subscriber

Congestion tone feed is passed directly to the subscriber via the voice path

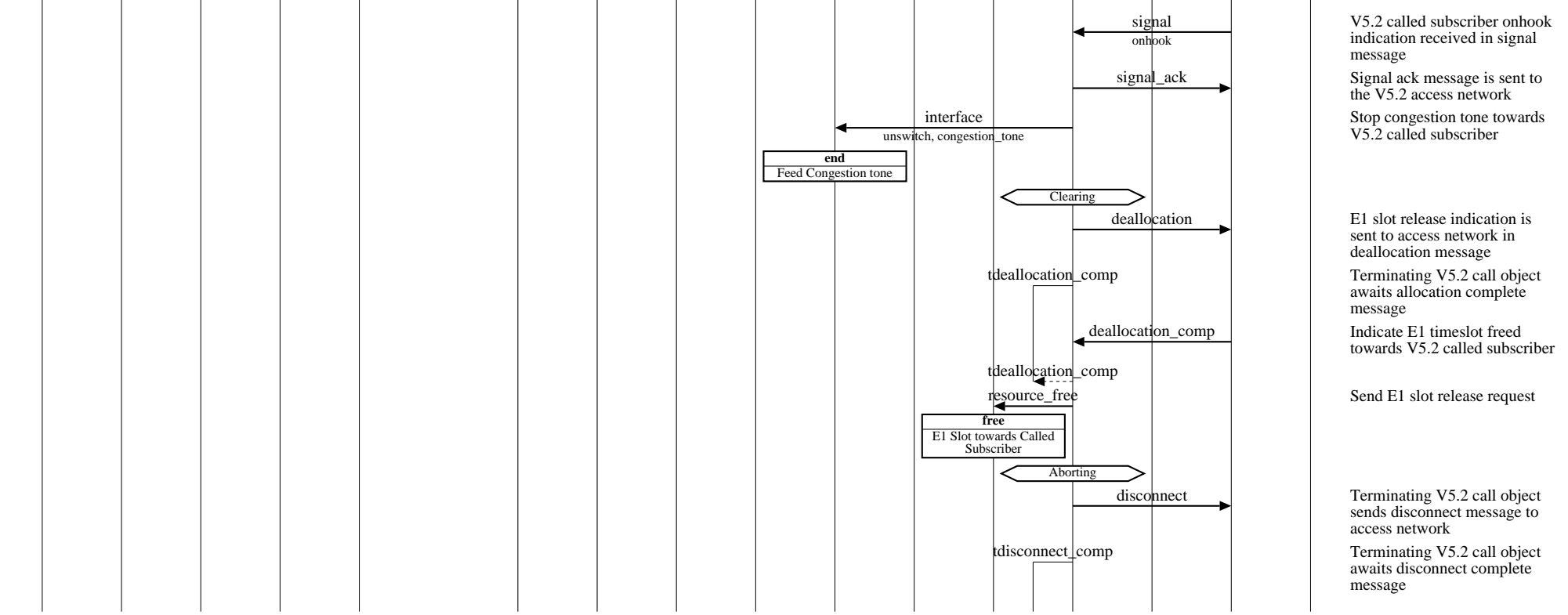
Inform E1 slot release indication to access network in deallocation message
Originating V5.2 call object awaits deallocation complete message
Indicate E1 timeslot freed towards V5.2 calling subscriber in deallocation complete message

Send E1 Slot release request

V5.2 Originated and V5.2 Terminated Call (V5.2 to V5.2 Call -- Pulse Dialing, Calling Subscriber Clears)																access network 2	subscriber 2	EventHelix.com/EventStudio 1.5
subscriber 1	access network 1	switching system												access network 2	subscriber 2			
sub 1	v52 AN 1	call handler 1				central processor				call handler 2				v52 AN 2	sub 2			
sub 1	v52 AN 1	dsp 1	tone manager 1	call manager 1	v52 call 1	E1 allocator 1	time slot allocator 1	routing manager	space slot allocator	tone manager 2	time slot allocator 2	E1 allocator 2	v52 call 2	call manager 2	v52 AN 2	sub 2	30-May-02 23:11 (Page 6)	

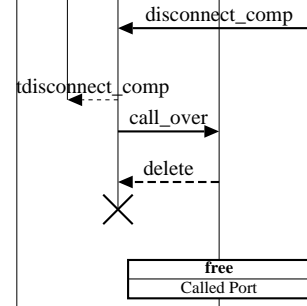


Called Subscriber goes onhook on hearing congestion tone



V5.2 Originated and V5.2 Terminated Call (V5.2 to V5.2 Call -- Pulse Dialing, Calling Subscriber Clears)

subscriber 1	access network 1	switching system											access network 2	subscriber 2	EventHelix.com/EventStudio 1.5		
sub 1	v52 AN 1	call handler 1					central processor			call handler 2						v52 AN 2	sub 2
sub 1	v52 AN 1	dsp 1	tone manager 1	call manager 1	v52 call 1	E1 allocator 1	time slot allocator 1	routing manager	space slot allocator	tone manager 2	time slot allocator 2	E1 allocator 2	v52 call 2	call manager 2	v52 AN 2	sub 2	30-May-02 23:11 (Page 7)



Disconnect complete message is received from the V5.2 access network

Send call over indication for terminating V5.2 call

Call manager deletes terminating V5.2 call object

Call manager marks the terminating V5.2 subscriber port as free