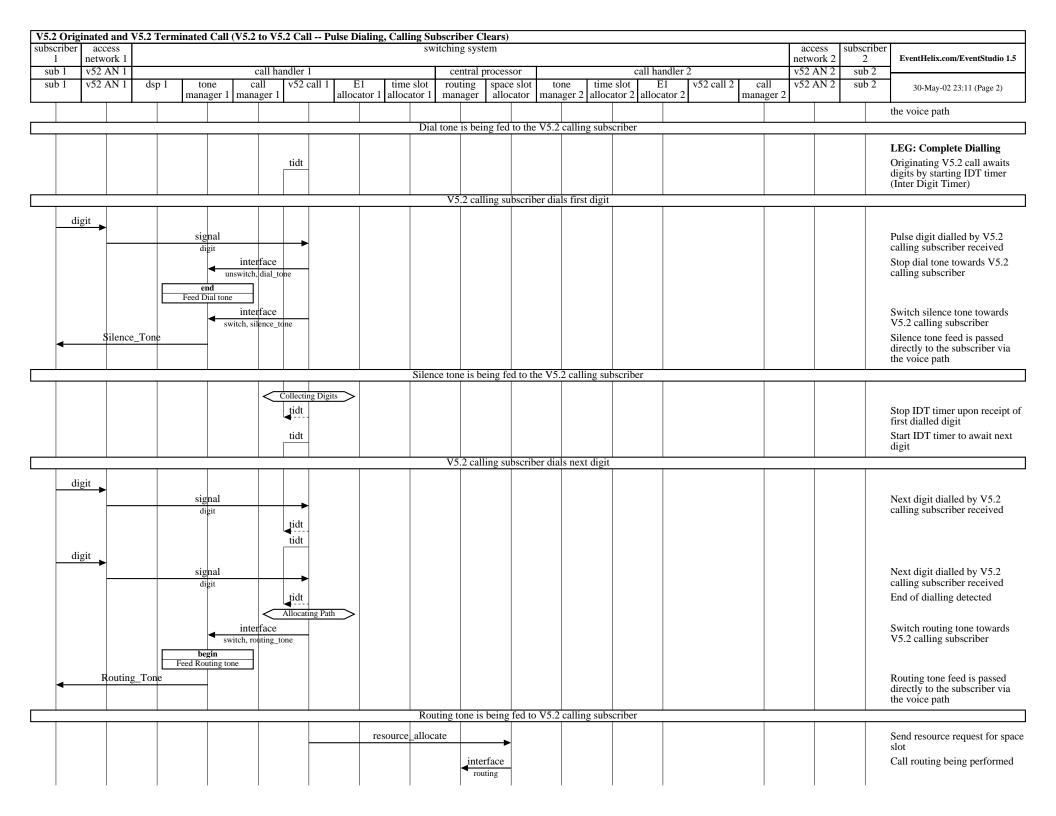
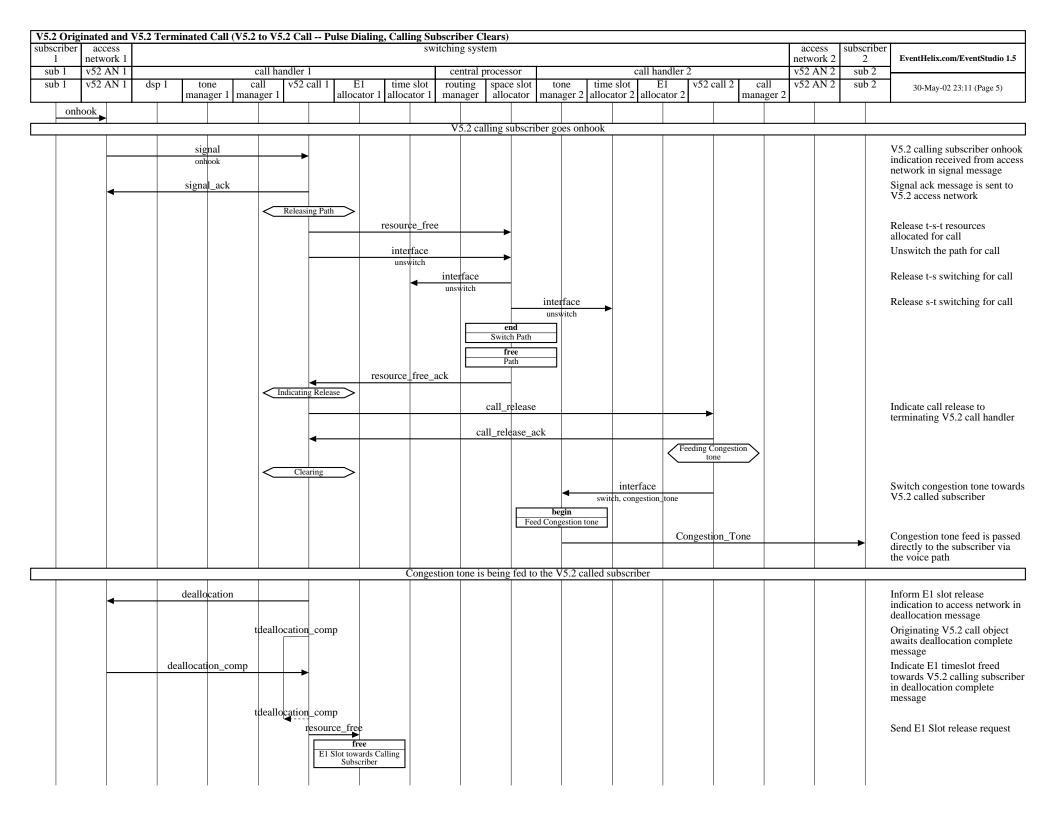
/5.2 Ori	iginated and `	V5.2 Terr	minated Call (V5.2 to V5.	2 Call Pu	ulse Dialing	g, Calling S	ubscriber	r Clears)									
ubscriber	r access network 1						S	witching s	system							access network 2	2 subscriber 2 2	EventHelix.com/EventStudio 1.5
sub 1	v52 AN 1			call ha	ndler 1			centr	ral processo	r			all handle	er 2		v52 AN 2		Eventrienx.com/Eventstudio 1.5
sub 1	v52 AN 1	dsp 1	tone manager 1	call	v52 call 1	E1 allocator 1	time slot allocator 1	routin	ig space	slot	tone nanager 2	time slot allocator 2	E1	v52 call	2 call manager 2	v52 AN 2		30-May-02 23:11 (Page 1)
							•						<u> </u>					
							Copyrig	$\frac{ght (c) 200}{1}$	02 EventHe	lix.con	n Inc. Al	Rights Rese	rved.					
								V5.2	calling sub	oscribe	r goes of	fhook						
off	fhook																	V5.2 calling subscriber offhoo indication received in the access network
			tablish ffhook															V5.2 calling subscriber offhoo indication received by the switching system in establish message
				allocate Calling Port														Resource, calling port is allocated for the call
				cre	ate													Call manager creates originating V5.2 call object to handle the call
					Idle	>												The initial state of V5.2 call is set to idle
				estal														V5.2 calling subscriber offho indication is passed to V5.2 c in establish message
			establish_ack															Establish ack is sent to the V5.2 access network
					locating Slot f Originating	allocate												Degreest for E1 Slot towards
					resource													Request for E1 Slot towards calling subscriber is sent
																		LEG: E1 slot available for V5.2 Subscriber
						allocate Slot towards C Subscriber												
					resource_a	llocate_ack												Resource E1 Slot is allocated towards V5.2 calling subscri
	-		allocation															E1 and timeslot allocation is passed to the V5.2 access network. The allocation message is used for this
				talloc	ation_comp	,												purpose V5.2 call awaits allocation complete message from acce
			allocation_com	*	>													network Allocation complete is receiv
					ation_comp				44	- NT	- 41	-1		and the first of the				
				voice p	ath is estab	inshed betw	een the sub	scriber and	a the switcl	n. Now	the swit	cn prepares f	or collecti	ng digits fro	om the subscr	iber.		
				F	eeding Dial tor	ne												LEG: Pulse Dialling Subscriber
			■ sv begin Feed Dial tone	interface vitch, dial_ton														Request to switch dial tone towards V5.2 calling subscri
-	Dial_	Tone																Dial tone feed is passed directly to the subscriber via



V5.2 Ori	ginated and	V5.2 Terminated	d Call (V5.2	to V5.2 C	Call Pul	se Diali	ng, Calling St	ubscriber	r Clears))											
subscribe 1	r access network 1					network 2							subscriber 2	EventHelix.com/EventStudio 1.5							
sub 1	v52 AN 1	1	(call handle	er 1			centra	al proces	ssor			ca	ıll hand	ler 2			v52 A		sub 2	
sub 1	v52 AN 1		one ca ager 1 mana		2 call 1	E1 allocator	time slot 1 allocator 1	routing manage	g spac er allo	ce slot ocator	tone manager	time r 2 alloc	e slot ator 2 a	E1 allocato	or 2 v52	2 call 2	call nanager 2	v52 A	N 2	sub 2	30-May-02 23:11 (Page 3)
		•					-											•			LEG: Routing is successful
						res	source_allocate	e_ack		ocate Path											Call to be terminated in this exchange detected; EntityID for called directory number determined Resource Response containing t-s-t resources for call received
							interface switch														Switch the path for call
								interfac switch		_											Perform t-s switching for call
				Awai	ting Called Status	\rightarrow		E		e gin ch Path	interfac switch										Perform s-t switching for call
										call_re	quest										Send call request to terminating call handler
																					LEG: Called Subscriber is free
																	allocate Called Port				Resource, called port is allocated for the call
														<		Idle	>				Call manager creates terminating V5.2 call object to handle the call
					◄				call_req	quest_ac	ck			<	Alloca Ter	ting Slot for minating					Indicate that called subscriber is free
				face outing_tone	ing Answer																Stop routing tone towards V5.2 calling subscriber
														allocat ot toward Subscrib	is Called						Send E1 slot request towards V5.2 called subscriber
																	allocation				E1 and specific timeslot on it indicated for V5.2 called subscriber
														ta	llocation	n_comp	option of				Terminating V5.2 call awaits allocation complete from access network Allocation complete message is
																	cation_co	mp			Allocation complete message is received

		5.2 Terminated	Call (V5.2 to V5	.2 Call Pulse l	Dialing, Calling Su	ubscriber Clears)						
subscriber 1	or access network 1 switching system access network 2 subscriber 2 EventHelix.com/EventSt									EventHelix.com/EventStudio 1.5		
sub 1	v52 AN 1		call ha			central processo		call handler		v52 AN 2]
sub 1	v52 AN 1		ne call ager 1 manager 1		E1 time slot cator 1 allocator 1	routing space s manager allocat	slot tone tim tor manager 2 alloc	e slot E1 cator 2 allocator 2	v52 call 2 call manager 2	v52 AN 2	sub 2	30-May-02 23:11 (Page 4)
	Ringback	be Feed Ring	interface switch, ring_back_ gback tone	tans			scriber is being rung	talloc talloc	ation_comp Starting Ringing establish ablish_ack establish_ack Ringing	k		Start answer timer to await answer from V5.2 called subscriber Ringing request is sent to the access network in establish message Ringing response is received from access network in establish ack message Switch ring back tone towards V5.2 calling subscriber
												directly to the subscriber via the voice path
		1			Ring b	back tone is being fee	d to the V5.2 calling s	subscriber		i	1	
										off	hook	LEG: Called Subscriber answers
						V5.2 called subsc	criber answers the cal	1				
			interface unswitch, ring_back	tans		answ answer_	er _ack		signal offbook signal_ack			V5.2 called subscriber answer indication is received from the access network Signal ack is sent to the V5.2 access network Answer indication is conveyed to the originating V5.2 call handler Stop answer timer Stop ring back tone towards V5.2 calling subscriber
						Call is in	conversation					
												LEG: Calling Subscriber hangs up



	5.2 Originated and V5.2 Terminated Call (V5.2 to V5.2 Call Pulse Dialing, Calling Subscriber Clears)													
subscriber	access network 1	switching system access subscriber network 2 2 EventHelix.com/Event							EventHelix.com/EventStudio 1.5					
sub 1	v52 AN 1		call handler 1		centr	ral processor	1	call han	ndler 2		v52	2 AN 2	sub 2	
sub 1	v52 AN 1		call v52 call 1 lager 1 allo	E1 time slot cator 1 allocator 1	routin manag	ng space slot ger allocator		e slot E1 cator 2 alloca		call 2 call manager		2 AN 2	sub 2	30-May-02 23:11 (Page 6)
		disconnect_comp	tdisconnect_comp								2			Originating V5.2 call object sends disconnect to access network Originating V5.2 call object awaits disconnect complete message Disconnect complete message received from the V5.2 access network Send call over indication for originating V5.2 call to call manager Call manager deletes originating V5.2 call object Call manager marks the originating V5.2 subscriber port free
												onh	look	port nee
	I			Called	Subscrit	per goes onhool	c on hearing conge	estion tone		· · ·		17		
						Fe	end ed Congestion tone	interface vitch, congestion_	_	signal onhook signal_a	ck	•		V5.2 called subscriber onhook indication received in signal message Signal ack message is sent to the V5.2 access network Stop congestion tone towards V5.2 called subscriber
								td re E1 Slot towa Subscr	leallocation leallocation esource_fre regrands Called riber	deallocation _comp _comp e rting 	_comp	*		E1 slot release indication is sent to access network in deallocation message Terminating V5.2 call object awaits allocation complete message Indicate E1 timeslot freed towards V5.2 called subscriber Send E1 slot release request Terminating V5.2 call object sends disconnect message to access network Terminating V5.2 call object awaits disconnect complete message

V5.2 Originated and V5.2 Terminated Call (V5.2 to V5.2 Call Pulse Dialing, Calling Subscriber Clears)								
subscriber access switching system	access subscriber network 2 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 call v52 call 1 E1 time slot routing space slot allocator 1 manager 1 manager 1 manager 1 v52 call 1 e1 time slot routing space slot	ot tone time slot E1 v52 call 2 call v52 AN 2 sub 2 30-May-02 23:11 (Page 7)							
	disconnect_comp tdisconnect_comp call_over 							