

V5_call Interfaces (V5.2 - V5.2: Successful call)

xenon

EventStudio 1.0.2

xen1

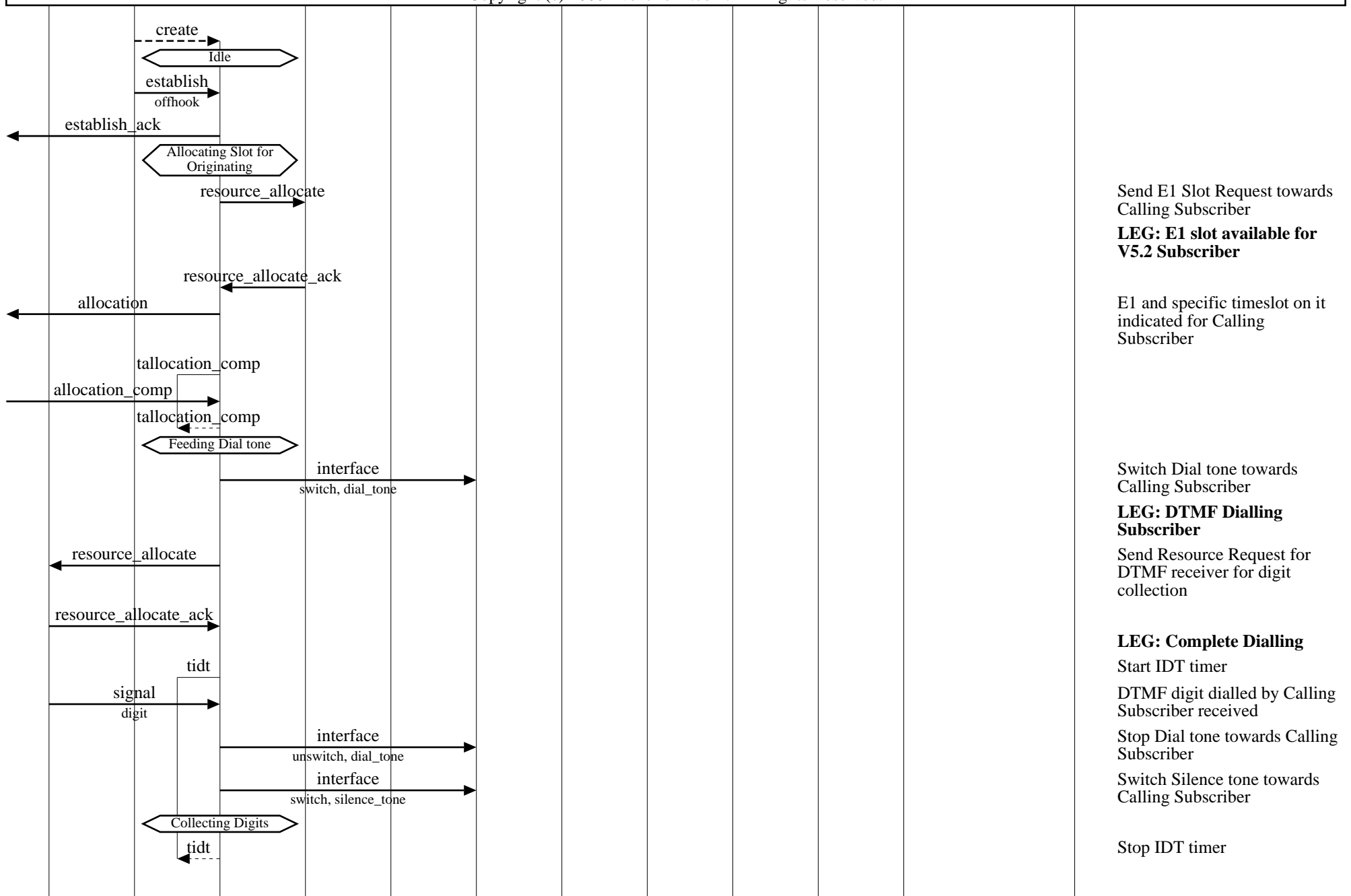
cas

xen2

dsp1 | v5 mgr1 | v5 call1 | E1 mgr1 | ts mgr1 | tone mgr1 | rout mgr | ss mgr | tone mgr2 | ts mgr2 | E1 mgr2 | v5 call2 | v5 mgr2

22-Oct-00 19:27 (Page 1)

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Send E1 Slot Request towards Calling Subscriber
LEG: E1 slot available for V5.2 Subscriber

E1 and specific timeslot on it indicated for Calling Subscriber

Switch Dial tone towards Calling Subscriber
LEG: DTMF Dialling Subscriber

Send Resource Request for DTMF receiver for digit collection

LEG: Complete Dialling

Start IDT timer
 DTMF digit dialled by Calling Subscriber received

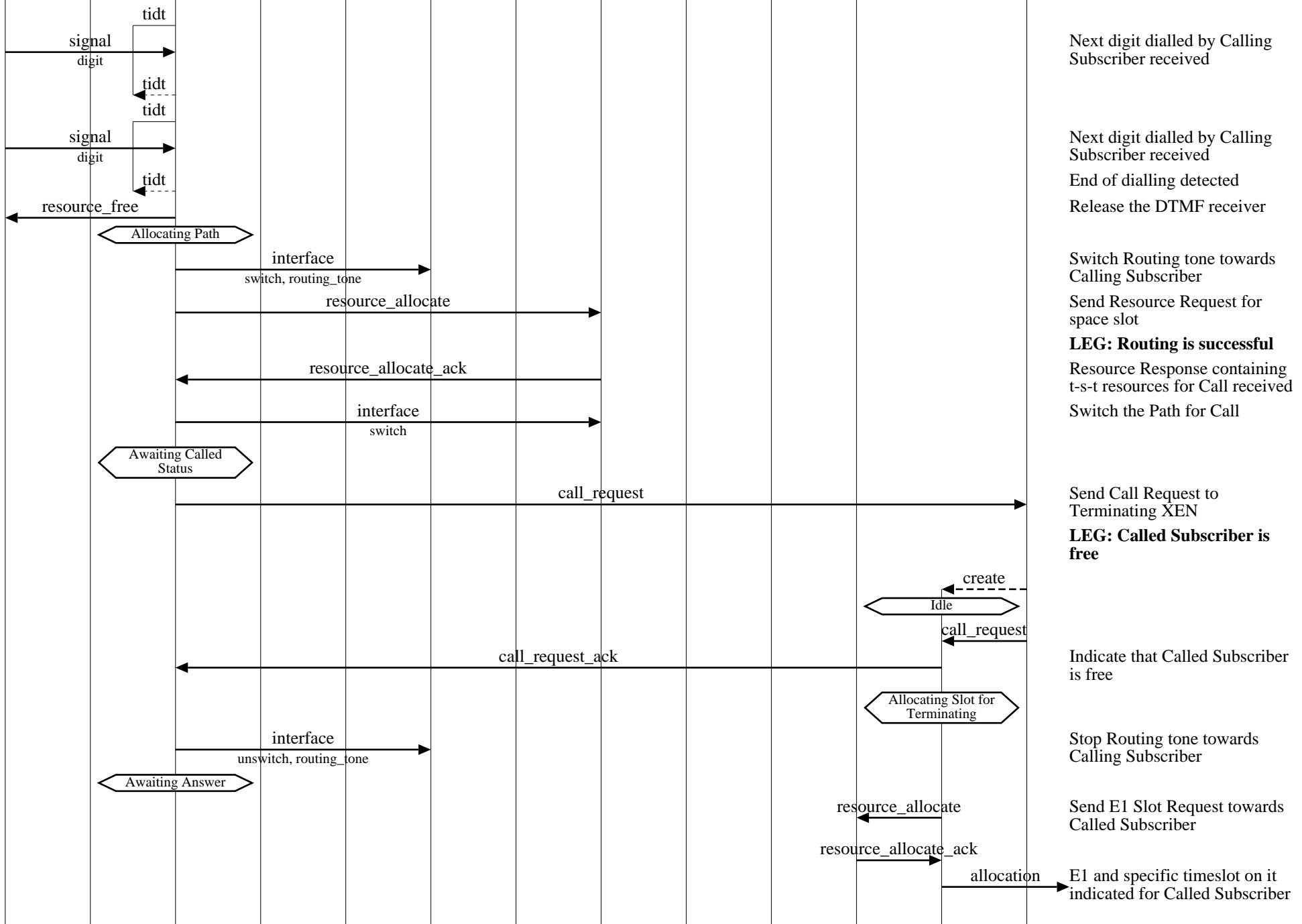
Stop Dial tone towards Calling Subscriber

Switch Silence tone towards Calling Subscriber

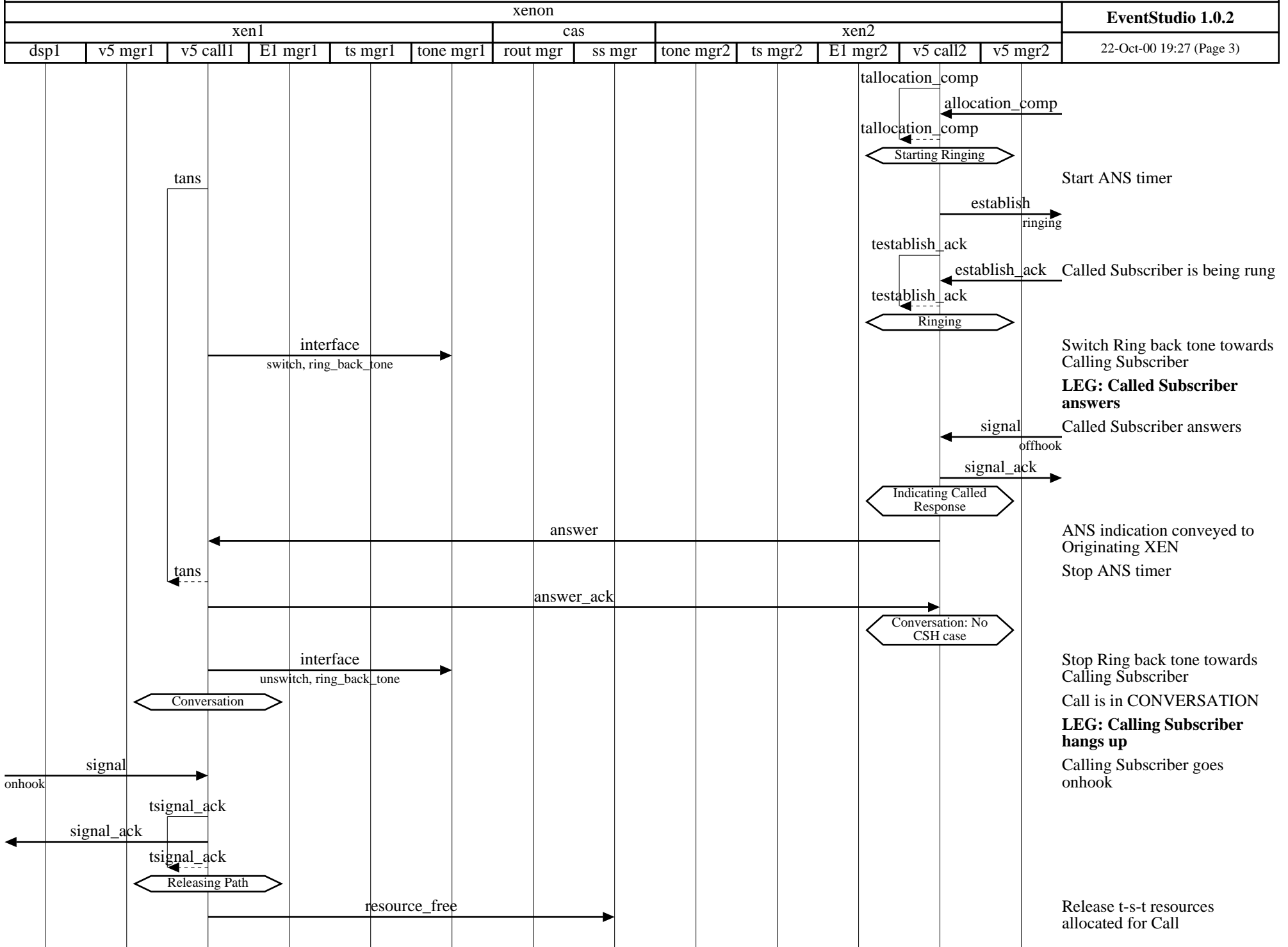
Stop IDT timer

V5_call Interfaces (V5.2 - V5.2: Successful call)

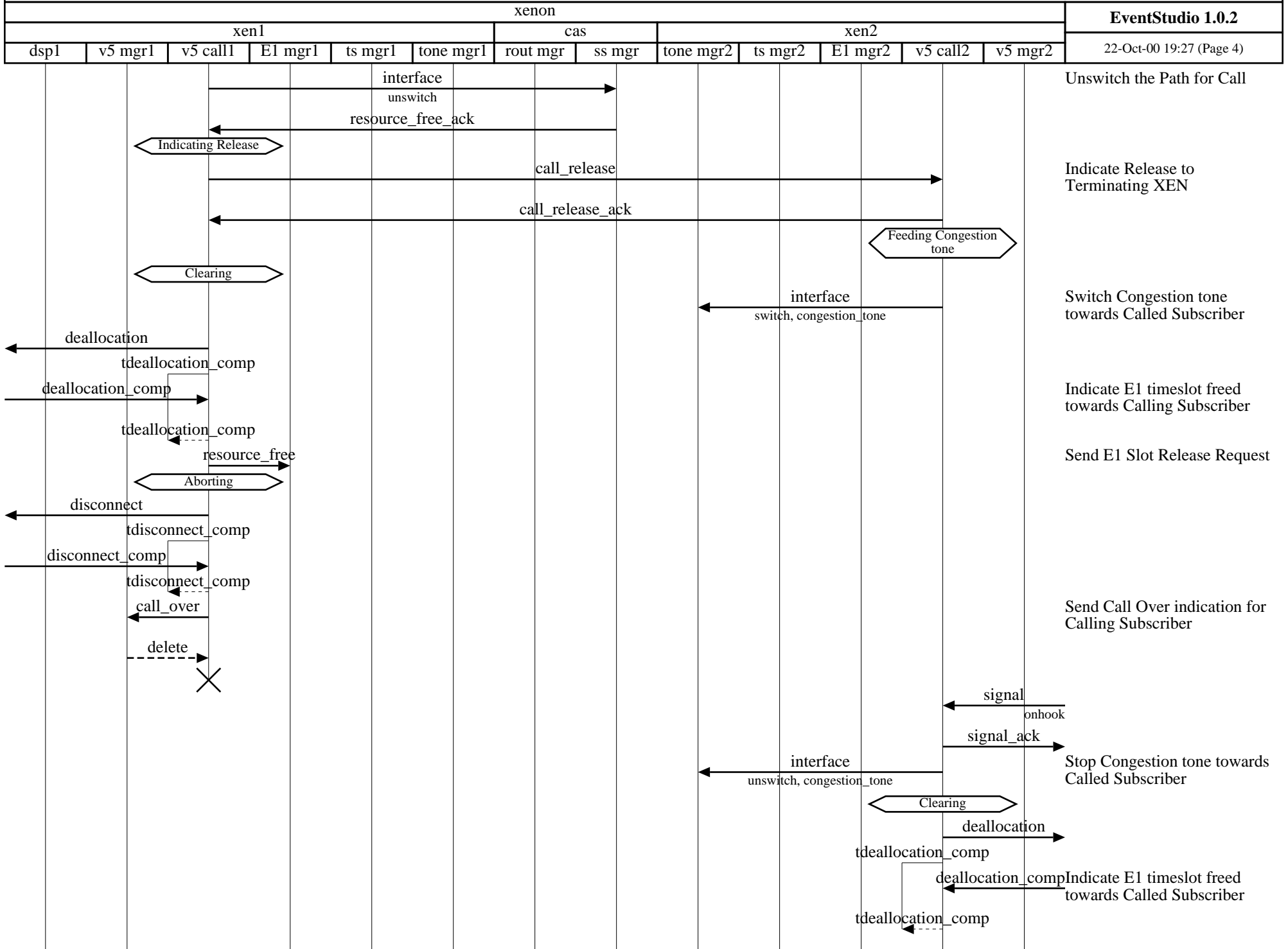
| | | | | | | | | | | | | | |
|-------|---------|----------|---------|---------|-----------|----------|--------|-----------|---------|---------|----------|---------|--------------------------|
| xenon | | | | | | | | | | | | | EventStudio 1.0.2 |
| xen1 | | | | | | cas | | xen2 | | | | | 22-Oct-00 19:27 (Page 2) |
| dsp1 | v5 mgr1 | v5 call1 | E1 mgr1 | ts mgr1 | tone mgr1 | rout mgr | ss mgr | tone mgr2 | ts mgr2 | E1 mgr2 | v5 call2 | v5 mgr2 | |



V5_call Interfaces (V5.2 - V5.2: Successful call)



V5_call Interfaces (V5.2 - V5.2: Successful call)



V5_call Interfaces (V5.2 - V5.2: Successful call)

xenon

EventStudio 1.0.2

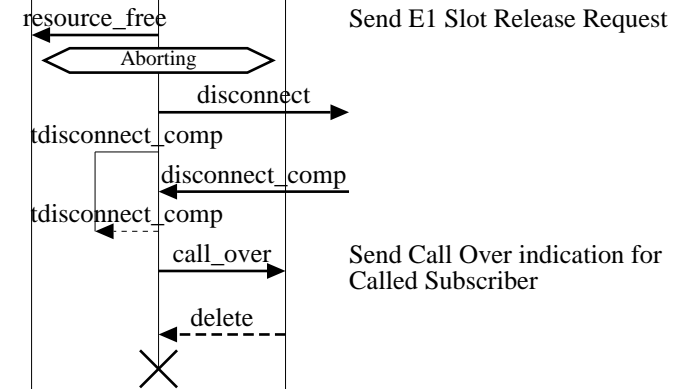
xen1

cas

xen2

22-Oct-00 19:27 (Page 5)

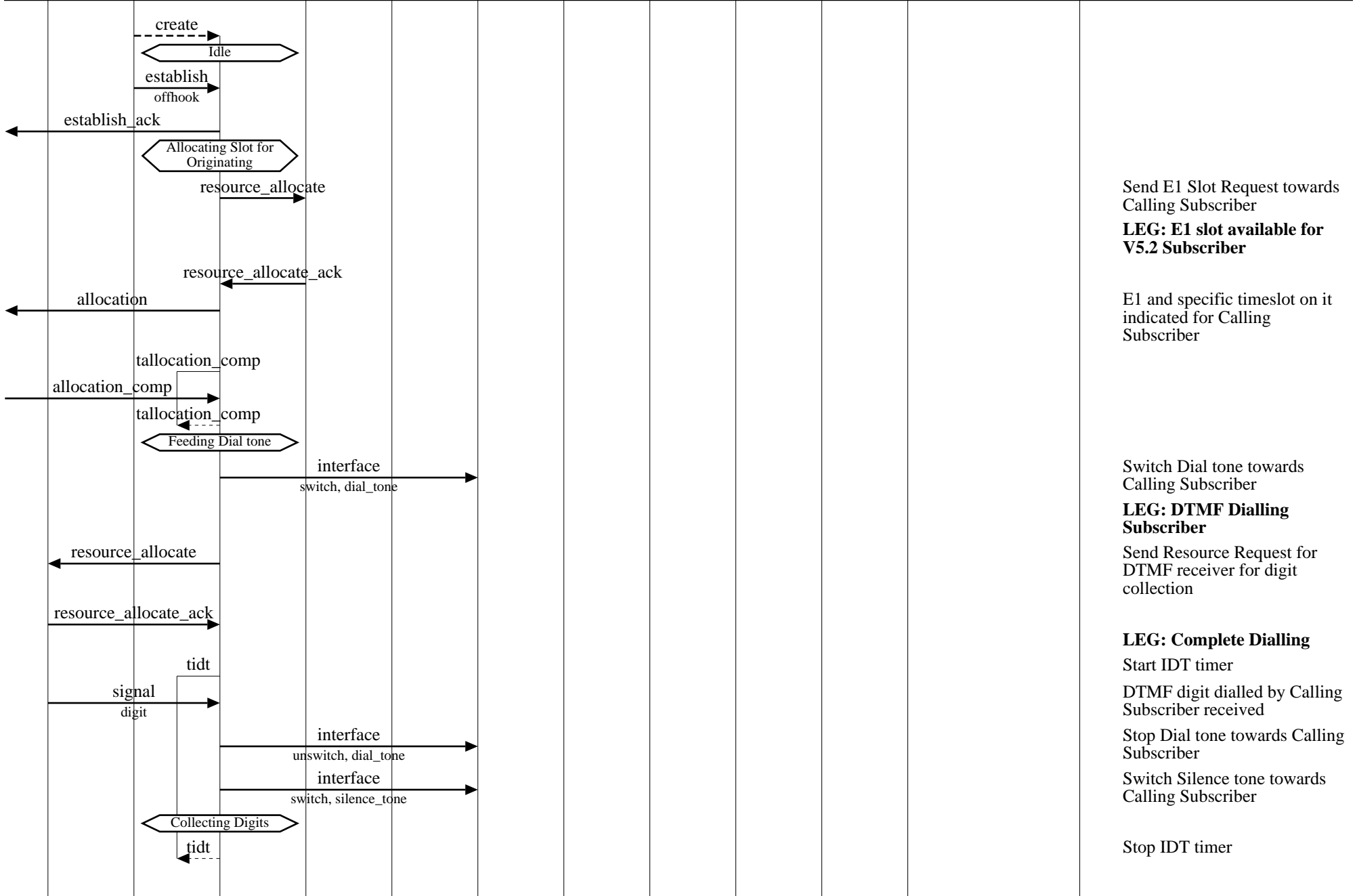
dsp1 v5 mgr1 v5 call1 E1 mgr1 ts mgr1 tone mgr1 rout mgr ss mgr tone mgr2 ts mgr2 E1 mgr2 v5 call2 v5 mgr2



V5_call Interfaces (V5.2 - V5.2: CSH timeout)

| | | | | | | | | | | | | | |
|-------|---------|----------|---------|---------|-----------|----------|--------|-----------|---------|---------|----------|---------|--------------------------|
| xenon | | | | | | | | | | | | | EventStudio 1.0.2 |
| xen1 | | | | | | cas | | xen2 | | | | | 22-Oct-00 19:27 (Page 6) |
| dsp1 | v5 mgr1 | v5 call1 | E1 mgr1 | ts mgr1 | tone mgr1 | rout mgr | ss mgr | tone mgr2 | ts mgr2 | E1 mgr2 | v5 call2 | v5 mgr2 | |

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Send E1 Slot Request towards Calling Subscriber
LEG: E1 slot available for V5.2 Subscriber

E1 and specific timeslot on it indicated for Calling Subscriber

Switch Dial tone towards Calling Subscriber
LEG: DTMF Dialling Subscriber

Send Resource Request for DTMF receiver for digit collection

LEG: Complete Dialling

Start IDT timer
 DTMF digit dialled by Calling Subscriber received

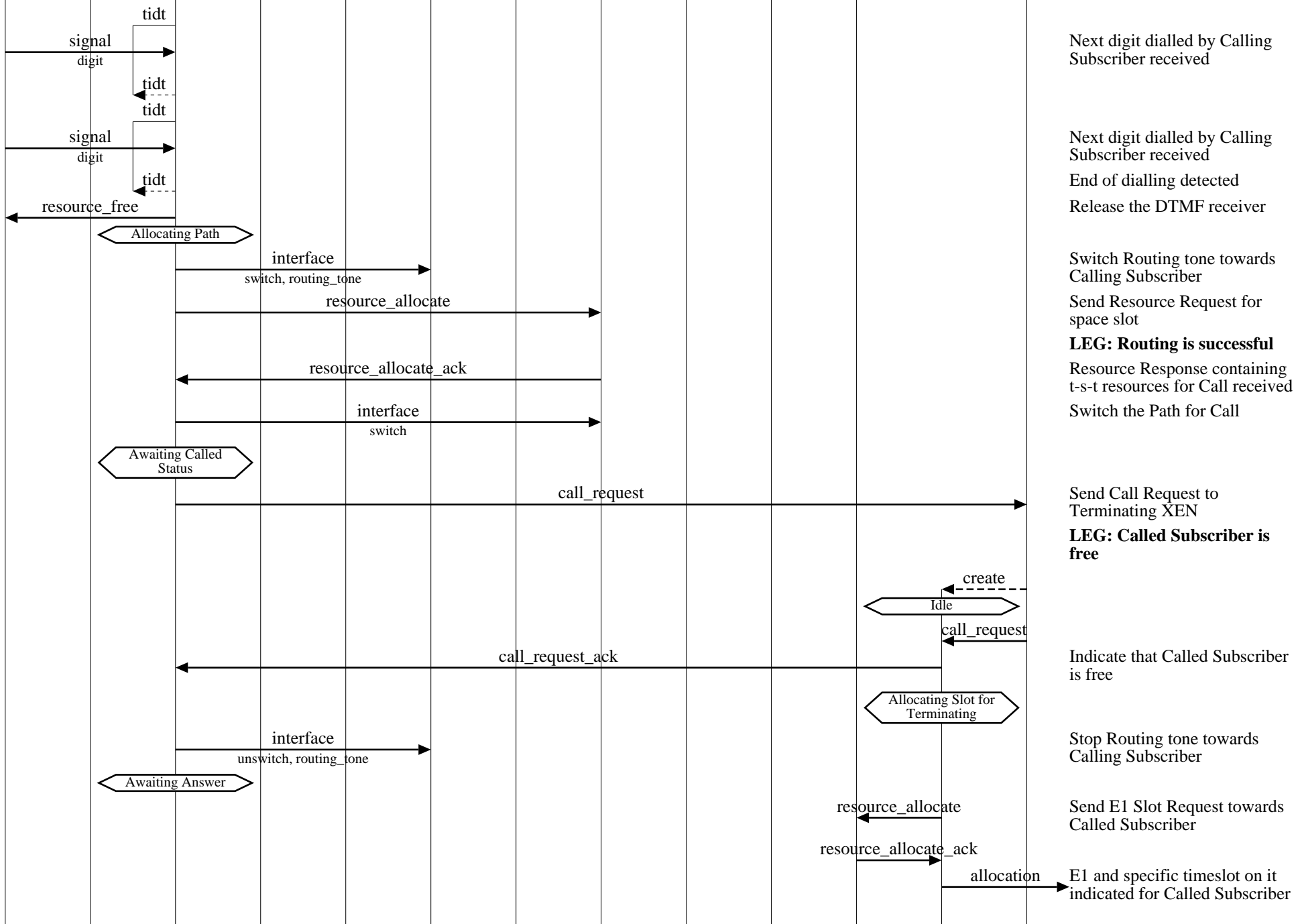
Stop Dial tone towards Calling Subscriber

Switch Silence tone towards Calling Subscriber

Stop IDT timer

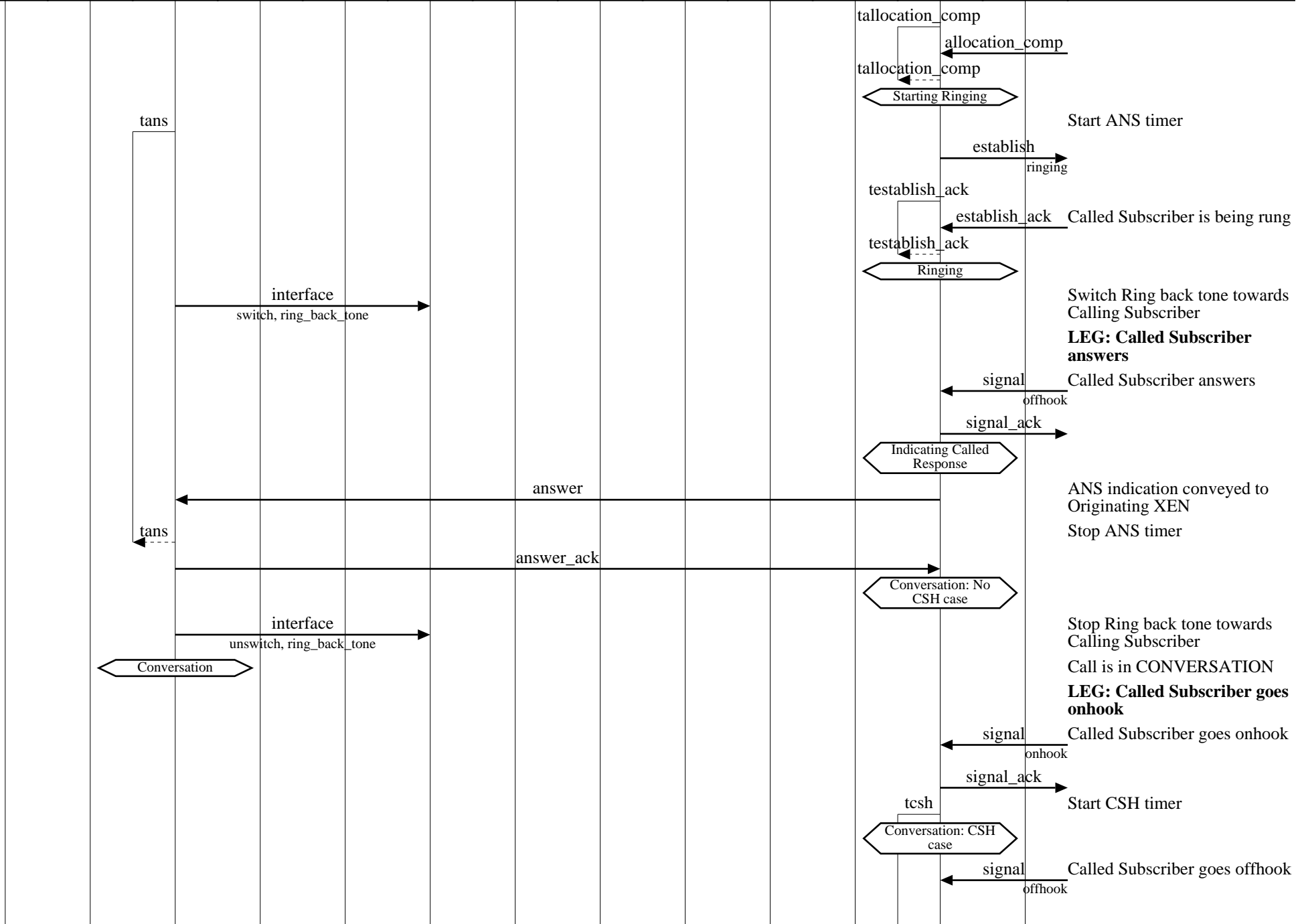
V5_call Interfaces (V5.2 - V5.2: CSH timeout)

| | | | | | | | | | | | | | |
|-------|---------|----------|---------|---------|-----------|----------|--------|-----------|---------|---------|----------|---------|--------------------------|
| xenon | | | | | | | | | | | | | EventStudio 1.0.2 |
| xen1 | | | | | | cas | | xen2 | | | | | 22-Oct-00 19:27 (Page 7) |
| dsp1 | v5 mgr1 | v5 call1 | E1 mgr1 | ts mgr1 | tone mgr1 | rout mgr | ss mgr | tone mgr2 | ts mgr2 | E1 mgr2 | v5 call2 | v5 mgr2 | |

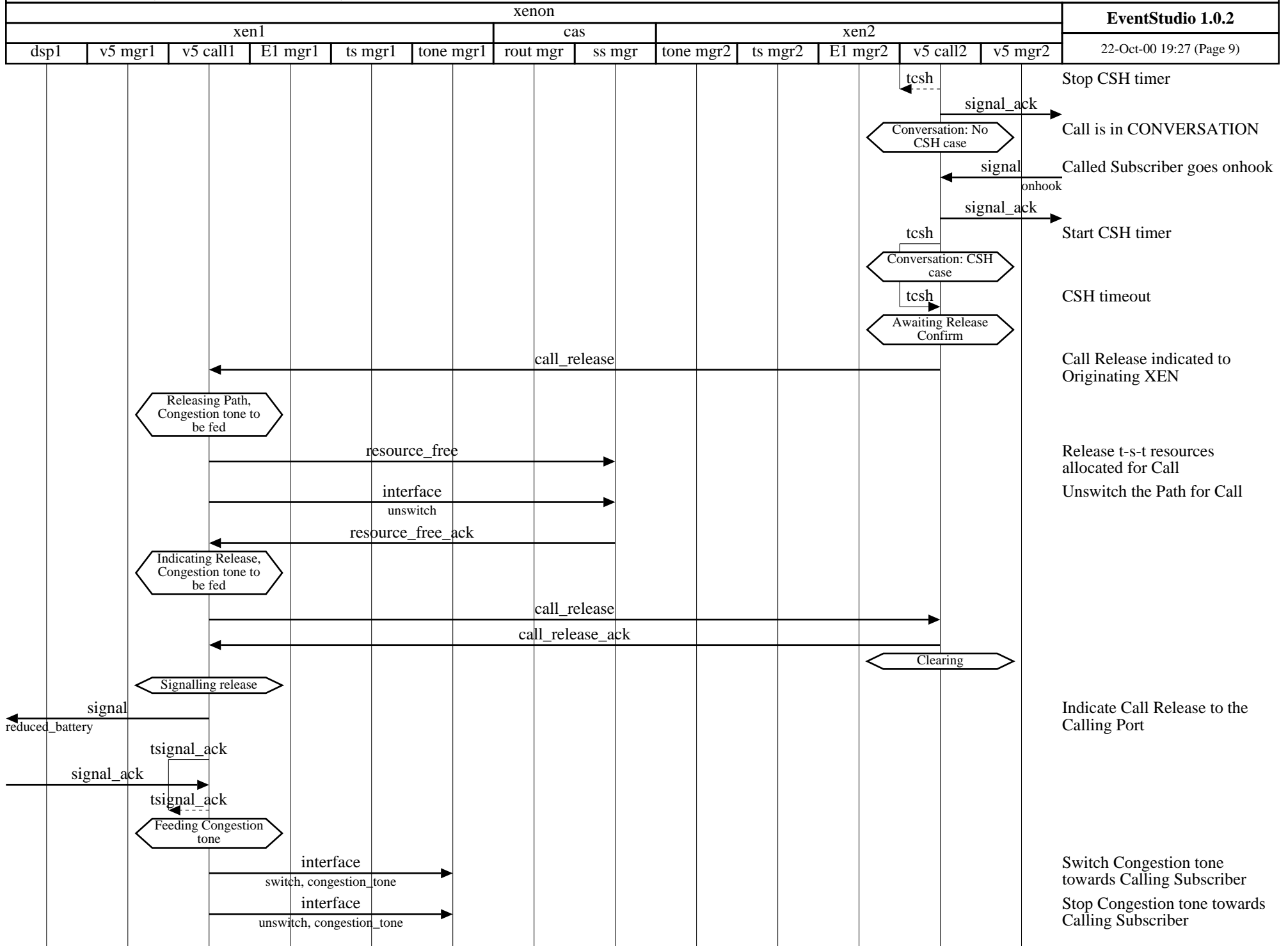


V5_call Interfaces (V5.2 - V5.2: CSH timeout)

| | | | | | | | | | | | | | |
|-------|---------|----------|---------|---------|-----------|----------|--------|-----------|---------|---------|----------|--------------------------|--|
| xenon | | | | | | | | | | | | EventStudio 1.0.2 | |
| xen1 | | | | | | cas | | xen2 | | | | 22-Oct-00 19:27 (Page 8) | |
| dsp1 | v5 mgr1 | v5 call1 | E1 mgr1 | ts mgr1 | tone mgr1 | rout mgr | ss mgr | tone mgr2 | ts mgr2 | E1 mgr2 | v5 call2 | v5 mgr2 | |

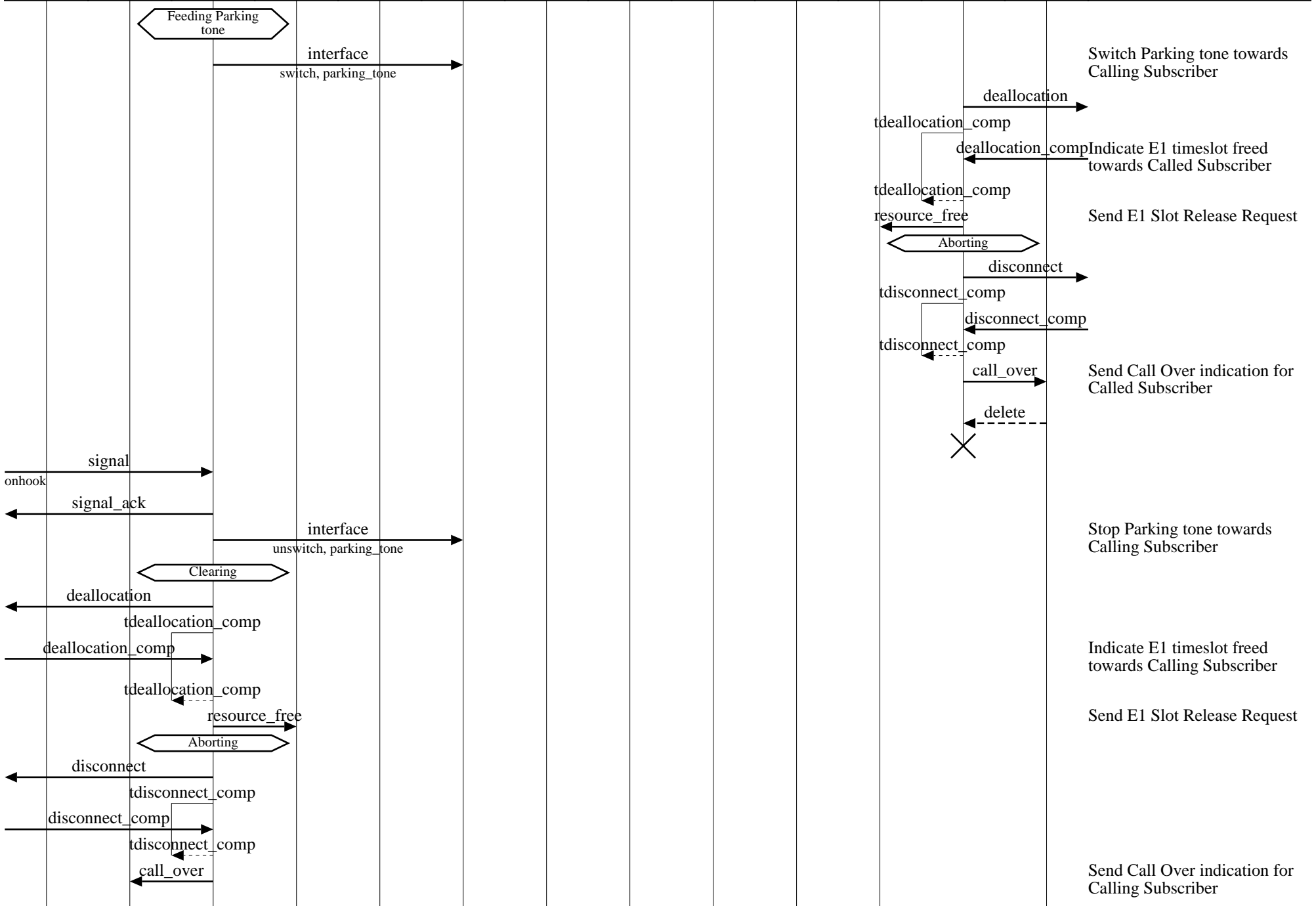


V5_call Interfaces (V5.2 - V5.2: CSH timeout)



V5_call Interfaces (V5.2 - V5.2: CSH timeout)

| | | | | | | | | | | | | | |
|-------|---------|----------|---------|---------|-----------|----------|--------|-----------|---------|---------|----------|---------|---------------------------|
| xenon | | | | | | | | | | | | | EventStudio 1.0.2 |
| xen1 | | | | | | cas | | xen2 | | | | | 22-Oct-00 19:27 (Page 10) |
| dsp1 | v5 mgr1 | v5 call1 | E1 mgr1 | ts mgr1 | tone mgr1 | rout mgr | ss mgr | tone mgr2 | ts mgr2 | E1 mgr2 | v5 call2 | v5 mgr2 | |



V5_call Interfaces (V5.2 - V5.2: CSH timeout)

xenon

EventStudio 1.0.2

xen1

cas

xen2

dsp1 v5 mgr1 v5 call1 E1 mgr1 ts mgr1 tone mgr1 rout mgr ss mgr tone mgr2 ts mgr2 E1 mgr2 v5 call2 v5 mgr2

22-Oct-00 19:27 (Page 11)

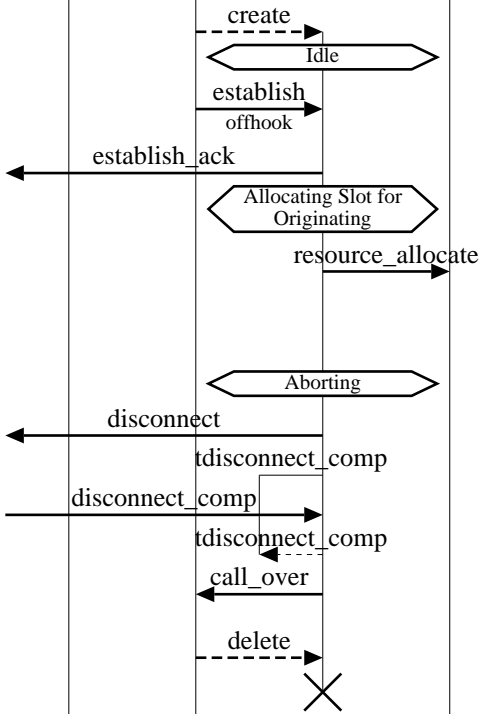
delete



V5_call Interfaces (V5.2: E1 slot not available)

| | | | | | | | | | | | | | |
|-------|---------|----------|---------|---------|-----------|----------|--------|-----------|---------|---------|----------|---------|---------------------------|
| xenon | | | | | | | | | | | | | EventStudio 1.0.2 |
| xen1 | | | | | | cas | | | xen2 | | | | 22-Oct-00 19:27 (Page 12) |
| dsp1 | v5 mgr1 | v5 call1 | E1 mgr1 | ts mgr1 | tone mgr1 | rout mgr | ss mgr | tone mgr2 | ts mgr2 | E1 mgr2 | v5 call2 | v5 mgr2 | |

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Send E1 Slot Request towards Calling Subscriber
LEG: E1 slot not available for V5.2 Subscriber

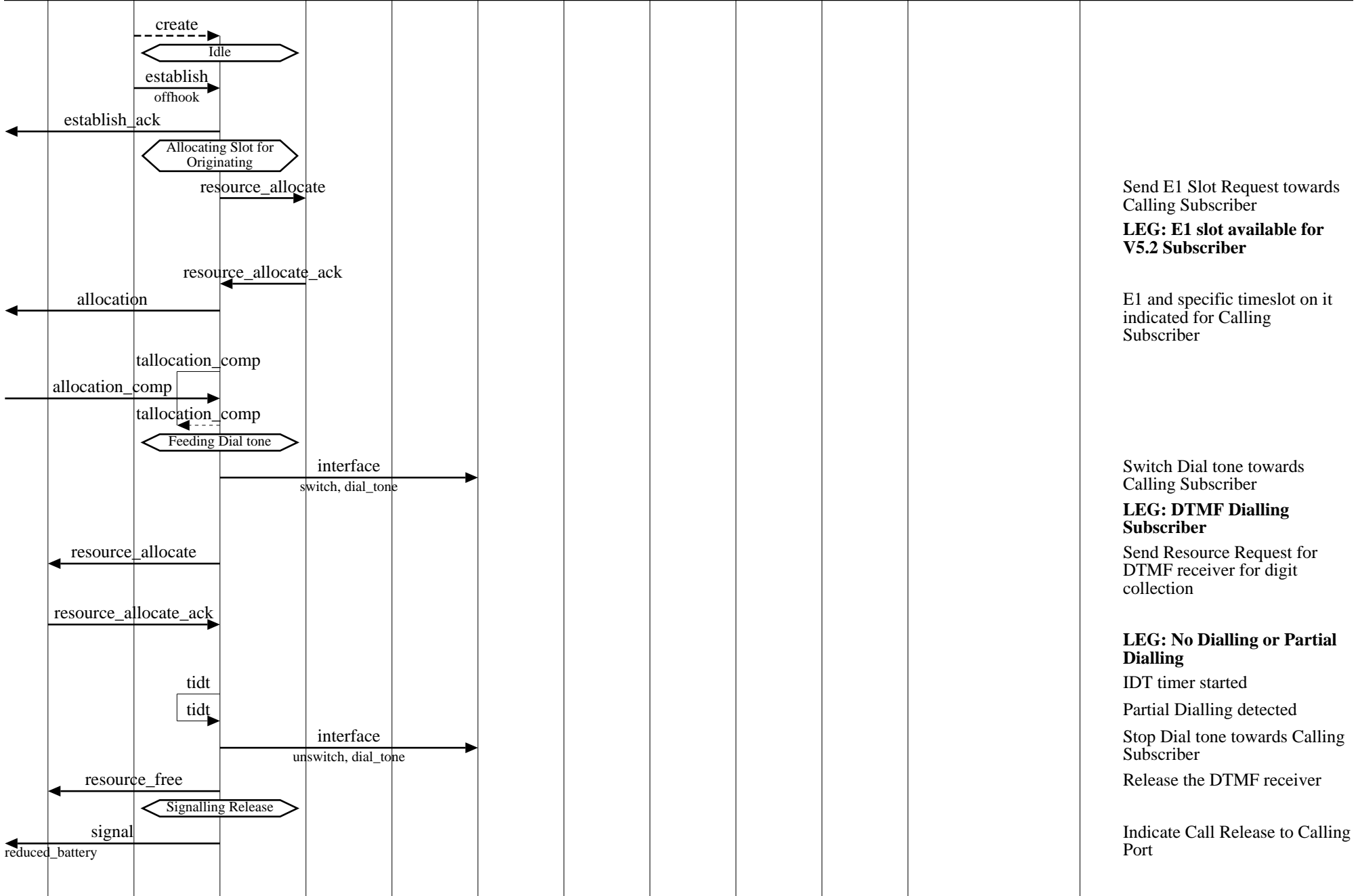
Call failure indicated in V5.2

Send Call Over indication for Calling Subscriber

V5_call Interfaces (V5.2: Partial dialling)

| | | | | | | | | | | | | | |
|-------|---------|----------|---------|---------|-----------|----------|--------|-----------|---------|---------|----------|---------|---------------------------|
| xenon | | | | | | | | | | | | | EventStudio 1.0.2 |
| xen1 | | | | | | cas | | xen2 | | | | | 22-Oct-00 19:27 (Page 13) |
| dsp1 | v5 mgr1 | v5 call1 | E1 mgr1 | ts mgr1 | tone mgr1 | rout mgr | ss mgr | tone mgr2 | ts mgr2 | E1 mgr2 | v5 call2 | v5 mgr2 | |

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Send E1 Slot Request towards Calling Subscriber
LEG: E1 slot available for V5.2 Subscriber

E1 and specific timeslot on it indicated for Calling Subscriber

Switch Dial tone towards Calling Subscriber
LEG: DTMF Dialling Subscriber

Send Resource Request for DTMF receiver for digit collection

LEG: No Dialling or Partial Dialling

IDT timer started

Partial Dialling detected

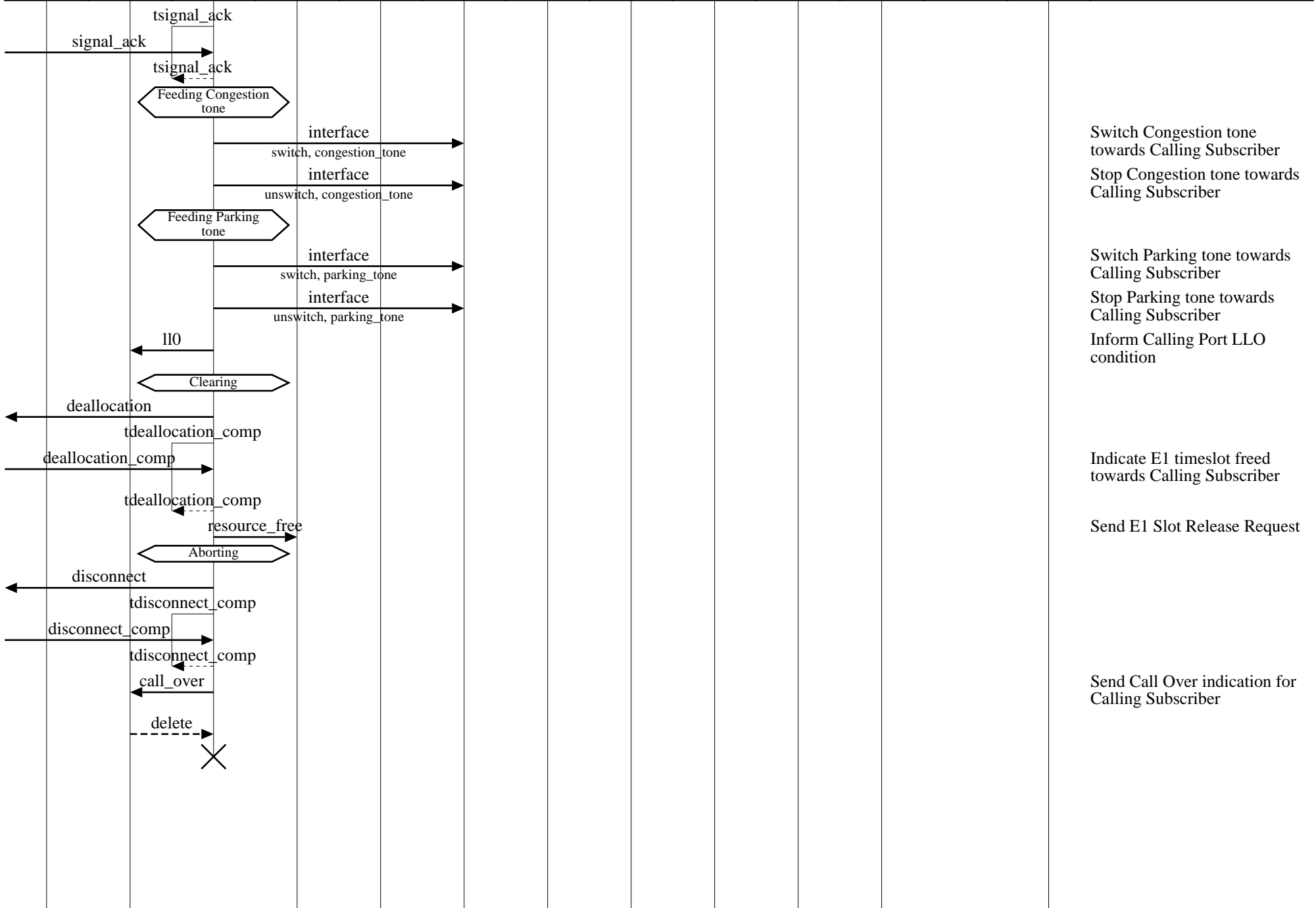
Stop Dial tone towards Calling Subscriber

Release the DTMF receiver

Indicate Call Release to Calling Port

V5_call Interfaces (V5.2: Partial dialling)

| | | | | | | | | | | | | | |
|-------|---------|----------|---------|---------|-----------|----------|--------|-----------|---------|---------|----------|---------|---------------------------|
| xenon | | | | | | | | | | | | | EventStudio 1.0.2 |
| xen1 | | | | | | cas | | xen2 | | | | | |
| dsp1 | v5 mgr1 | v5 call1 | E1 mgr1 | ts mgr1 | tone mgr1 | rout mgr | ss mgr | tone mgr2 | ts mgr2 | E1 mgr2 | v5 call2 | v5 mgr2 | 22-Oct-00 19:27 (Page 14) |



V5_call Interfaces (V5.2: Directory number unknown)

xenon

EventStudio 1.0.2

xen1

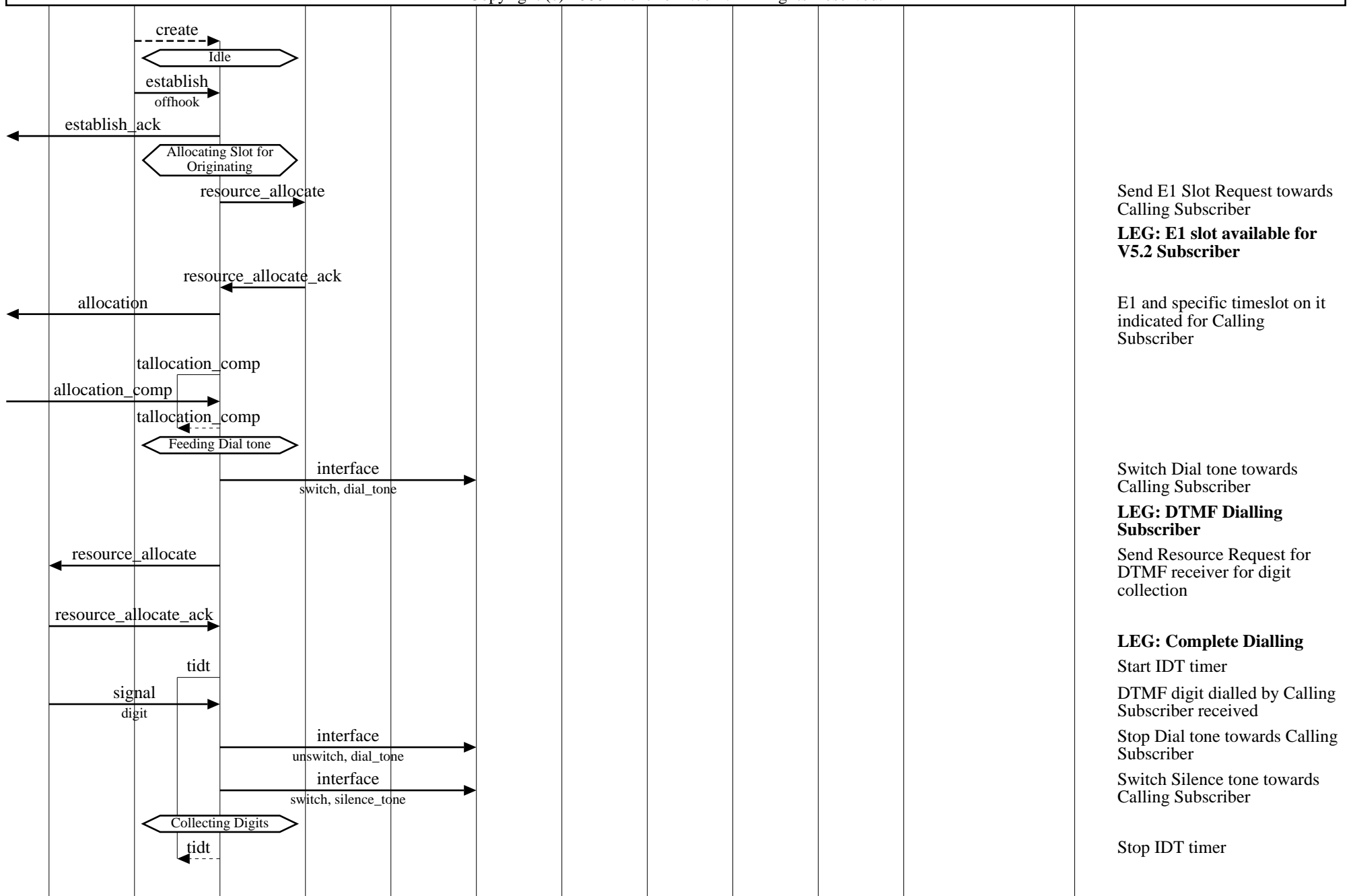
cas

xen2

dsp1 | v5 mgr1 | v5 call1 | E1 mgr1 | ts mgr1 | tone mgr1 | rout mgr | ss mgr | tone mgr2 | ts mgr2 | E1 mgr2 | v5 call2 | v5 mgr2

22-Oct-00 19:27 (Page 15)

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Send E1 Slot Request towards Calling Subscriber
LEG: E1 slot available for V5.2 Subscriber

E1 and specific timeslot on it indicated for Calling Subscriber

Switch Dial tone towards Calling Subscriber
LEG: DTMF Dialling Subscriber

Send Resource Request for DTMF receiver for digit collection

LEG: Complete Dialling

Start IDT timer
 DTMF digit dialled by Calling Subscriber received

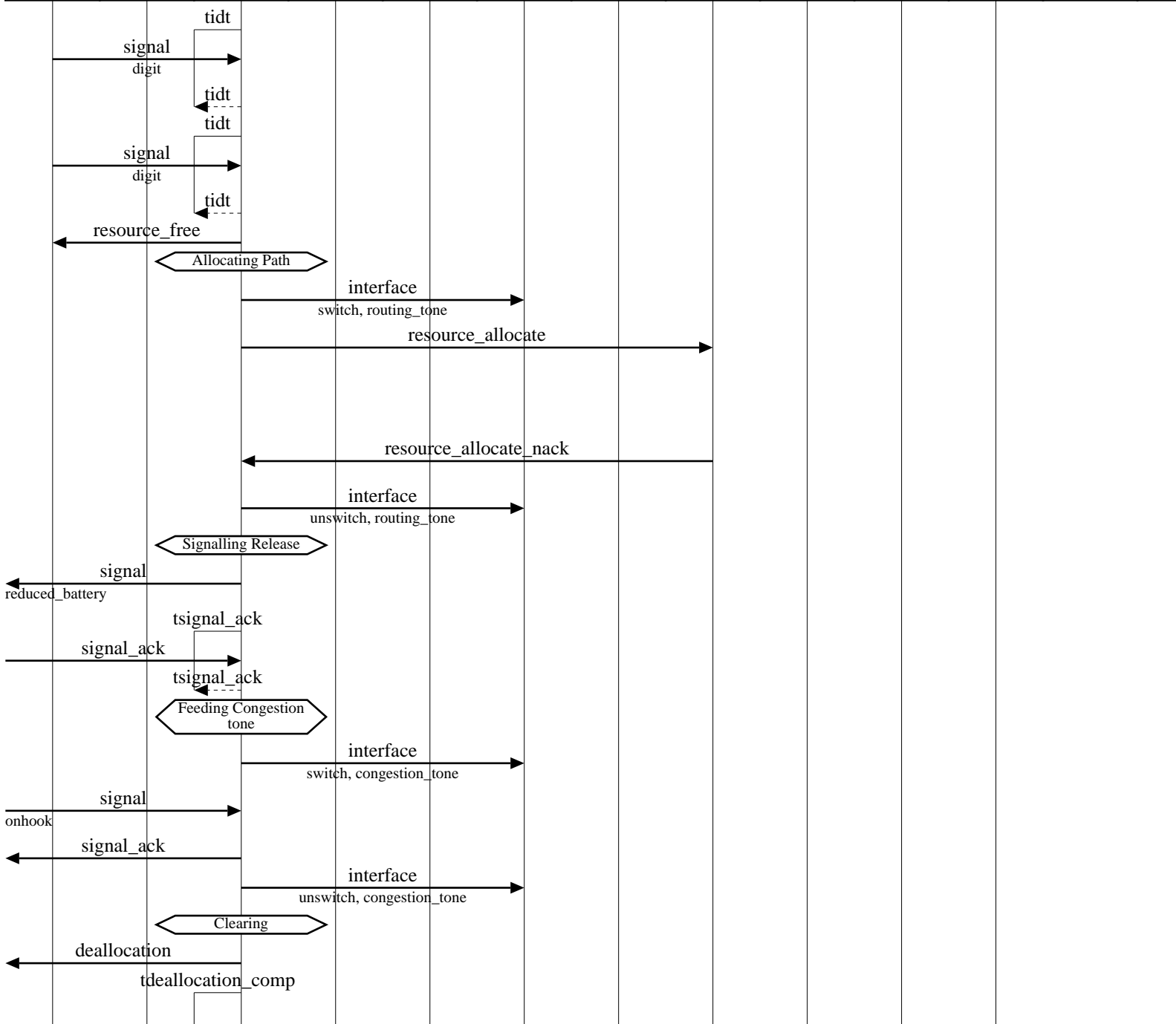
Stop Dial tone towards Calling Subscriber

Switch Silence tone towards Calling Subscriber

Stop IDT timer

V5_call Interfaces (V5.2: Directory number unknown)

| | | | | | | | | | | | | | |
|-------|---------|----------|---------|---------|-----------|----------|--------|-----------|---------|---------|----------|---------|---------------------------|
| xenon | | | | | | | | | | | | | EventStudio 1.0.2 |
| xen1 | | | | | | cas | | xen2 | | | | | 22-Oct-00 19:27 (Page 16) |
| dsp1 | v5 mgr1 | v5 call1 | E1 mgr1 | ts mgr1 | tone mgr1 | rout mgr | ss mgr | tone mgr2 | ts mgr2 | E1 mgr2 | v5 call2 | v5 mgr2 | |



Next digit dialled by Calling Subscriber received

Next digit dialled by Calling Subscriber received

End of dialling detected
Release the DTMF receiver

Switch Routing tone towards Calling Subscriber

Send Resource Request for space slot

LEG: Call failed: DN unknown or All trunks to the Route are busy

Indicate Routing Failure condition or Trunk Congestion

Stop Routing tone towards Calling Subscriber

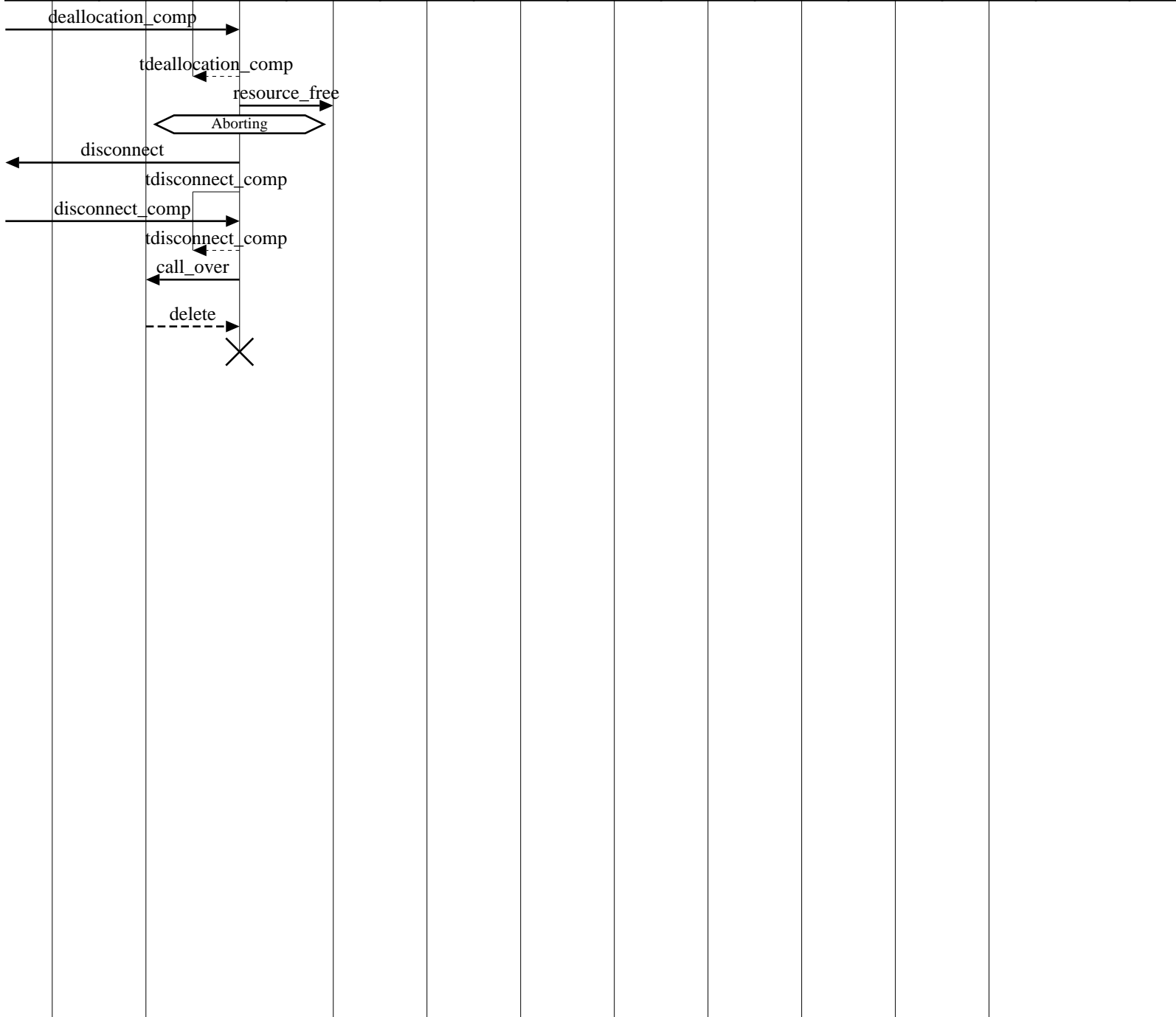
Indicate Call Release to the Calling Port

Switch Congestion tone towards Calling Subscriber

Stop Congestion tone towards Calling Subscriber

V5_call Interfaces (V5.2: Directory number unknown)

| | | | | | | | | | | | | | |
|-------|---------|----------|---------|---------|-----------|----------|--------|-----------|---------|---------|----------|---------------------------|--|
| xenon | | | | | | | | | | | | EventStudio 1.0.2 | |
| xen1 | | | | | | cas | | xen2 | | | | 22-Oct-00 19:27 (Page 17) | |
| dsp1 | v5 mgr1 | v5 call1 | E1 mgr1 | ts mgr1 | tone mgr1 | rout mgr | ss mgr | tone mgr2 | ts mgr2 | E1 mgr2 | v5 call2 | v5 mgr2 | |



Indicate E1 timeslot freed towards Calling Subscriber

Send E1 Slot Release Request

Send Call Over indication for Calling Subscriber

V5_call Interfaces (V5.2: Called subscriber is busy)

xenon

EventStudio 1.0.2

xen1

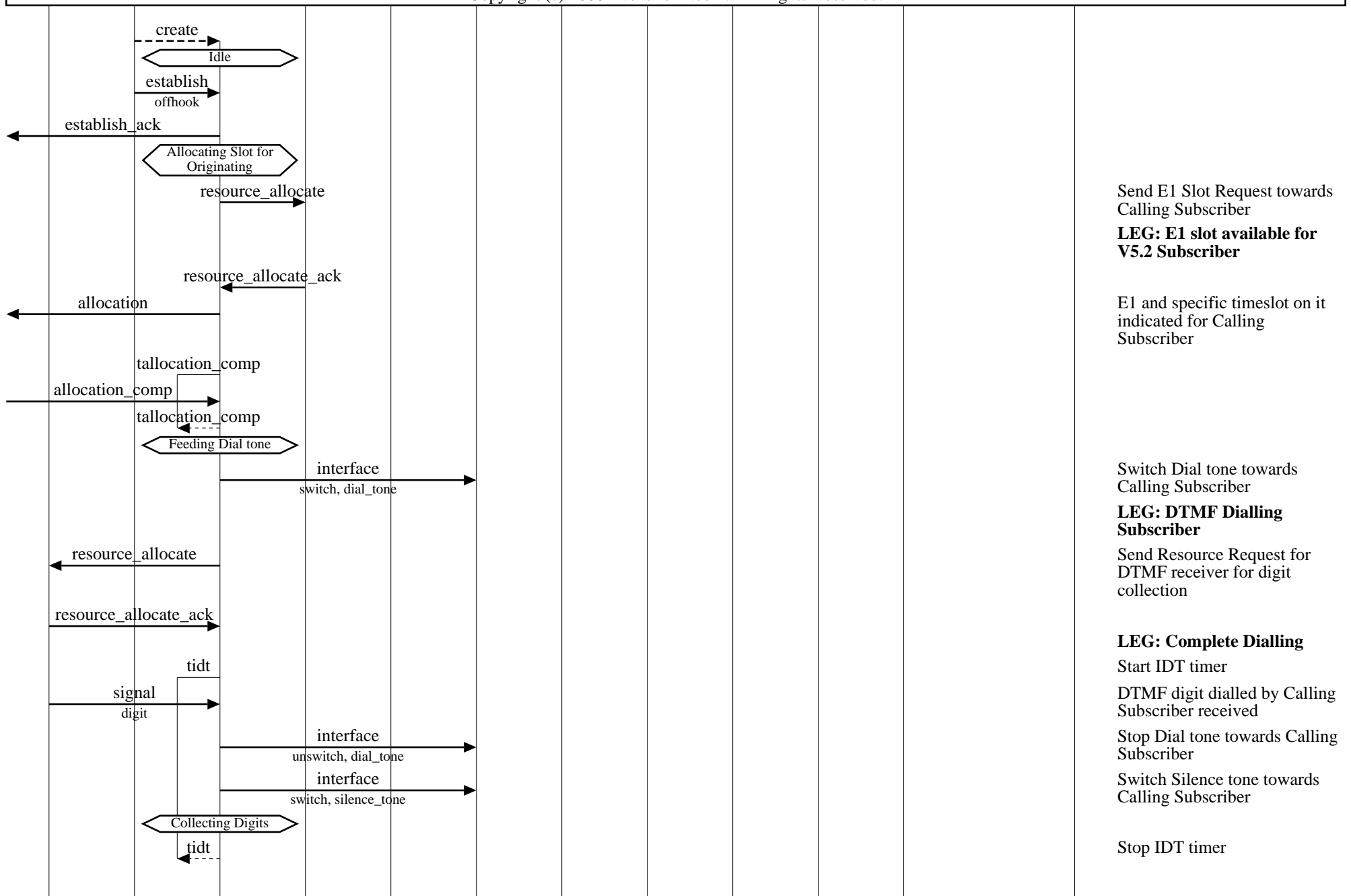
cas

xen2

dsp1 v5 mgr1 v5 call1 E1 mgr1 ts mgr1 tone mgr1 rout mgr ss mgr tone mgr2 ts mgr2 E1 mgr2 v5 call2 v5 mgr2

22-Oct-00 19:27 (Page 18)

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Send E1 Slot Request towards Calling Subscriber
LEG: E1 slot available for V5.2 Subscriber

E1 and specific timeslot on it indicated for Calling Subscriber

Switch Dial tone towards Calling Subscriber
LEG: DTMF Dialling Subscriber

Send Resource Request for DTMF receiver for digit collection

LEG: Complete Dialling

Start IDT timer
 DTMF digit dialled by Calling Subscriber received

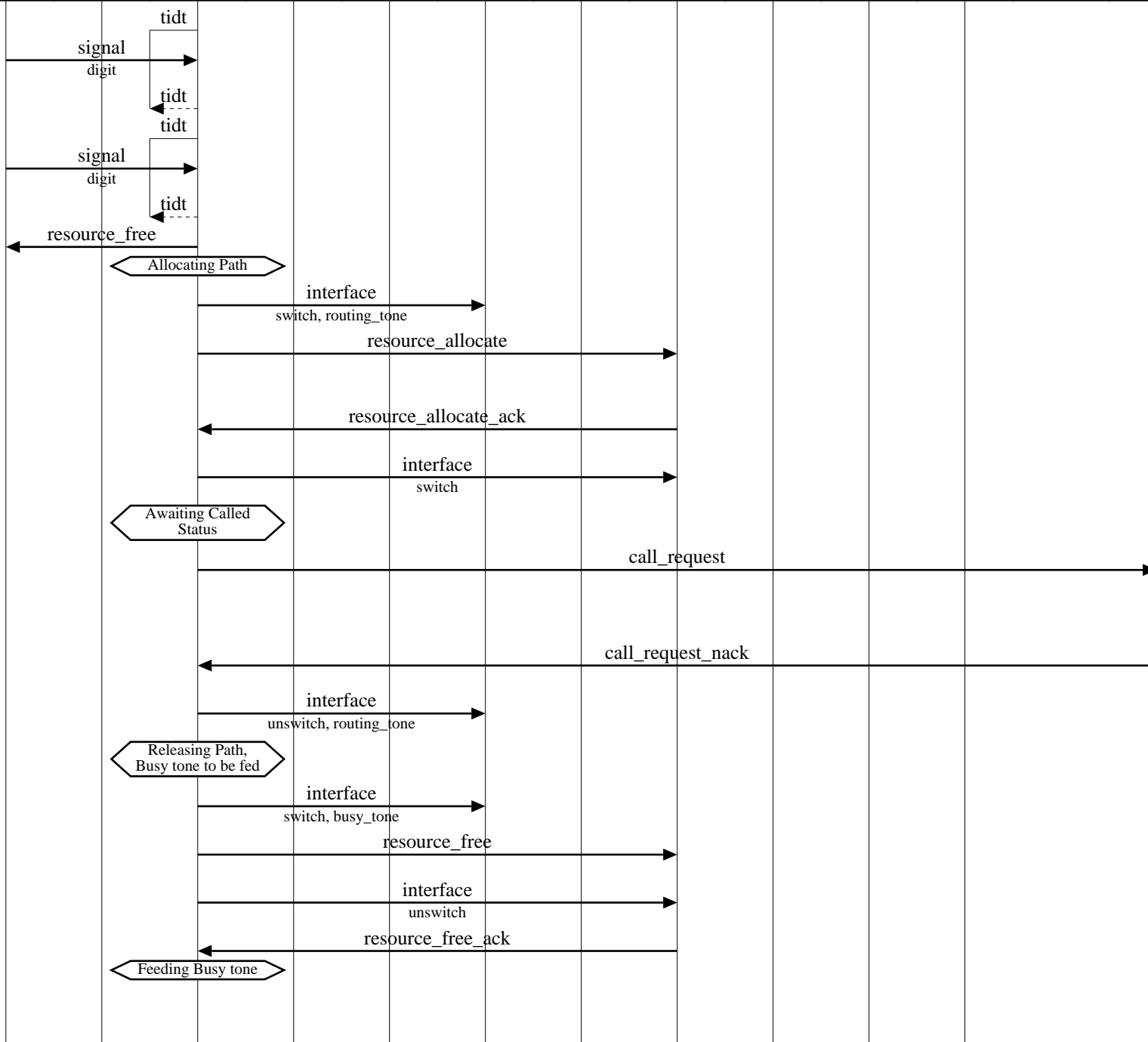
Stop Dial tone towards Calling Subscriber

Switch Silence tone towards Calling Subscriber

Stop IDT timer

V5_call Interfaces (V5.2: Called subscriber is busy)

| | | | | | | | | | | | | | |
|-------|---------|----------|---------|---------|-----------|----------|--------|-----------|---------|---------|----------|---------|---------------------------|
| xenon | | | | | | | | | | | | | EventStudio 1.0.2 |
| xen1 | | | | | | cas | | xen2 | | | | | 22-Oct-00 19:27 (Page 19) |
| dsp1 | v5 mgr1 | v5 call1 | E1 mgr1 | ts mgr1 | tone mgr1 | rout mgr | ss mgr | tone mgr2 | ts mgr2 | E1 mgr2 | v5 call2 | v5 mgr2 | |



Next digit dialled by Calling Subscriber received

Next digit dialled by Calling Subscriber received

End of dialling detected
Release the DTMF receiver

Switch Routing tone towards Calling Subscriber

Send Resource Request for space slot

LEG: Routing is successful

Resource Response containing t-s-t resources for Call received
Switch the Path for Call

Send Call Request to Terminating XEN

LEG: Called Subscriber is busy

Indicate that Called Subscriber is busy

Stop Routing tone towards Calling Subscriber

Switch Busy tone towards Calling Subscriber

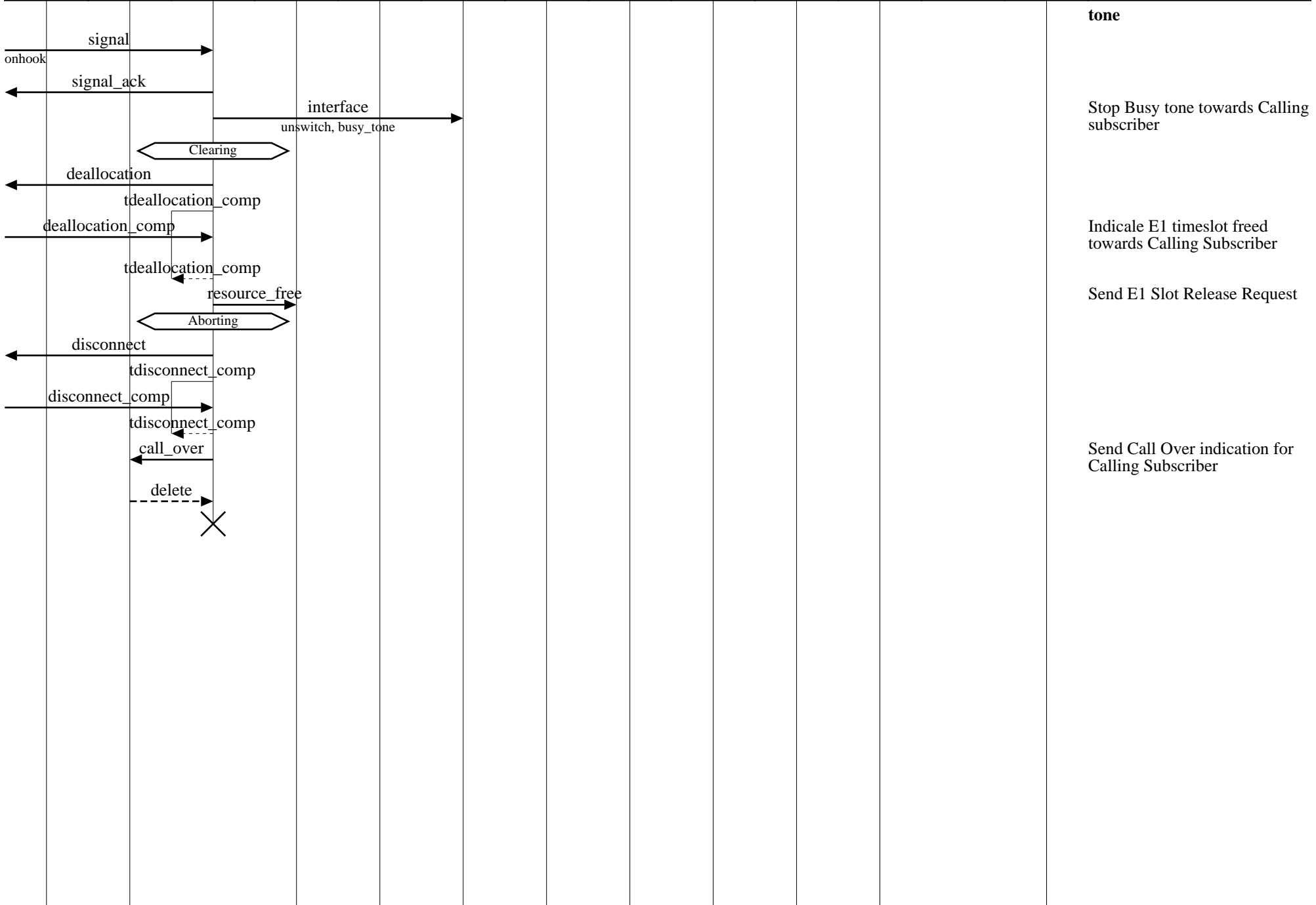
Release the t-s-t resources allocated for Call

Unswitch the Path for Call

LEG: Calling Subscriber goes onhook on hearing Busy

V5_call Interfaces (V5.2: Called subscriber is busy)

| | | | | | | | | | | | | | |
|-------|---------|----------|---------|---------|-----------|----------|--------|-----------|---------|---------|----------|---------|---------------------------|
| xenon | | | | | | | | | | | | | EventStudio 1.0.2 |
| xen1 | | | | | | cas | | xen2 | | | | | 22-Oct-00 19:27 (Page 20) |
| dsp1 | v5 mgr1 | v5 call1 | E1 mgr1 | ts mgr1 | tone mgr1 | rout mgr | ss mgr | tone mgr2 | ts mgr2 | E1 mgr2 | v5 call2 | v5 mgr2 | |



tone

Stop Busy tone towards Calling subscriber

Indicale E1 timeslot freed towards Calling Subscriber

Send E1 Slot Release Request

Send Call Over indication for Calling Subscriber

V5_call Interfaces (V5.2: Called subscriber does not answer)

xenon

EventStudio 1.0.2

xen1

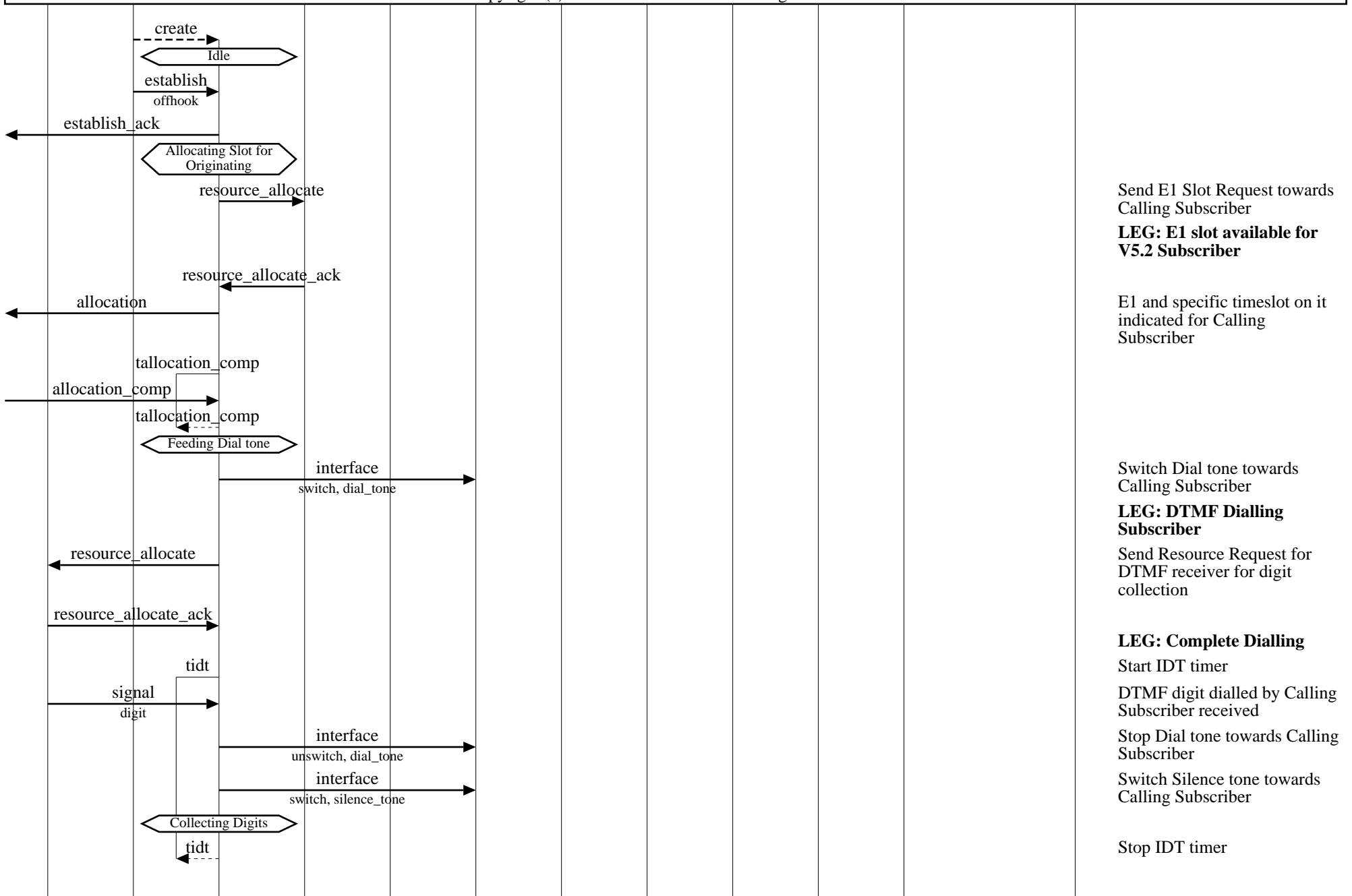
cas

xen2

dsp1 | v5 mgr1 | v5 call1 | E1 mgr1 | ts mgr1 | tone mgr1 | rout mgr | ss mgr | tone mgr2 | ts mgr2 | E1 mgr2 | v5 call2 | v5 mgr2

22-Oct-00 19:27 (Page 21)

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Send E1 Slot Request towards Calling Subscriber
LEG: E1 slot available for V5.2 Subscriber

E1 and specific timeslot on it indicated for Calling Subscriber

Switch Dial tone towards Calling Subscriber
LEG: DTMF Dialling Subscriber

Send Resource Request for DTMF receiver for digit collection

LEG: Complete Dialling

Start IDT timer
 DTMF digit dialled by Calling Subscriber received

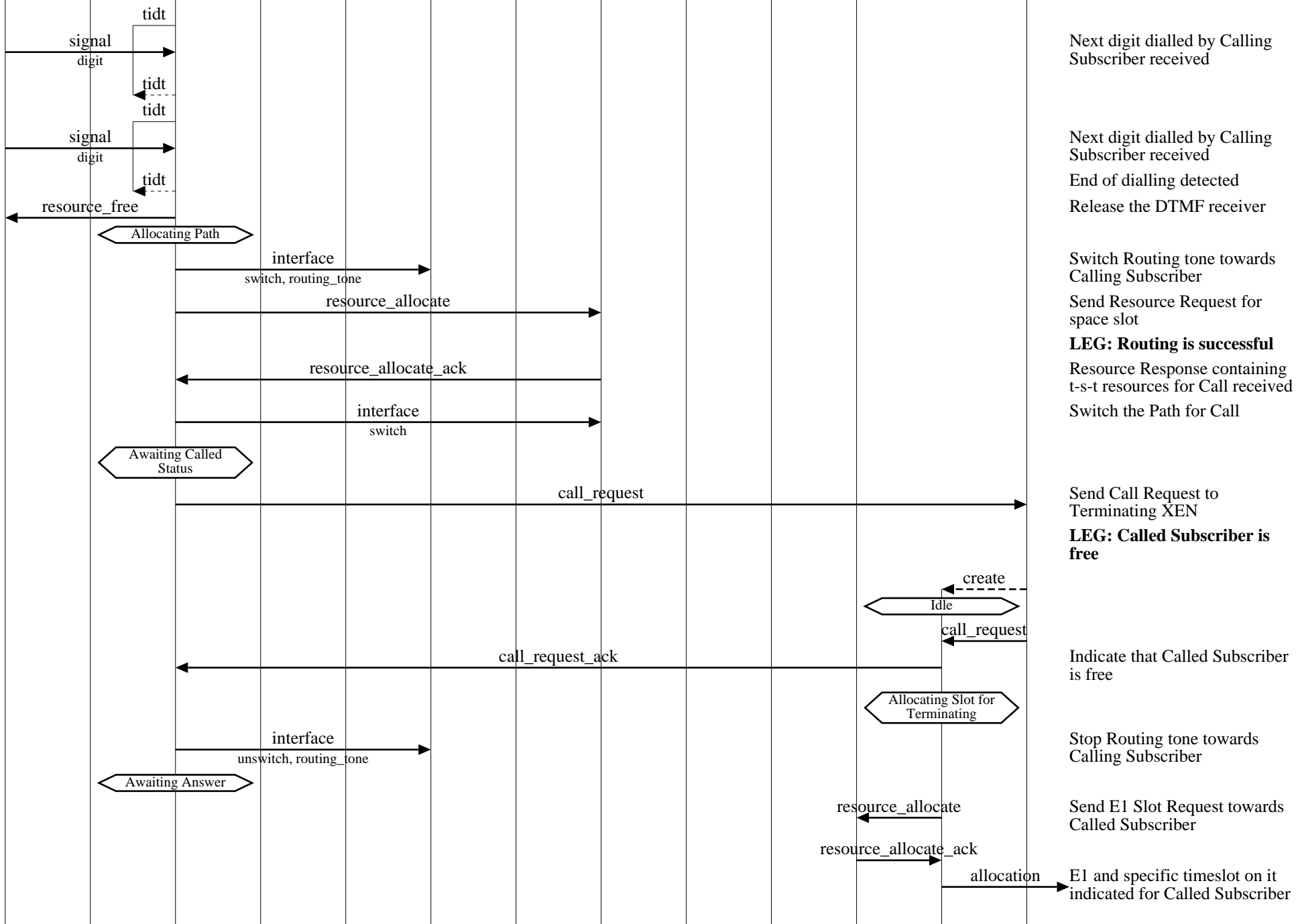
Stop Dial tone towards Calling Subscriber

Switch Silence tone towards Calling Subscriber

Stop IDT timer

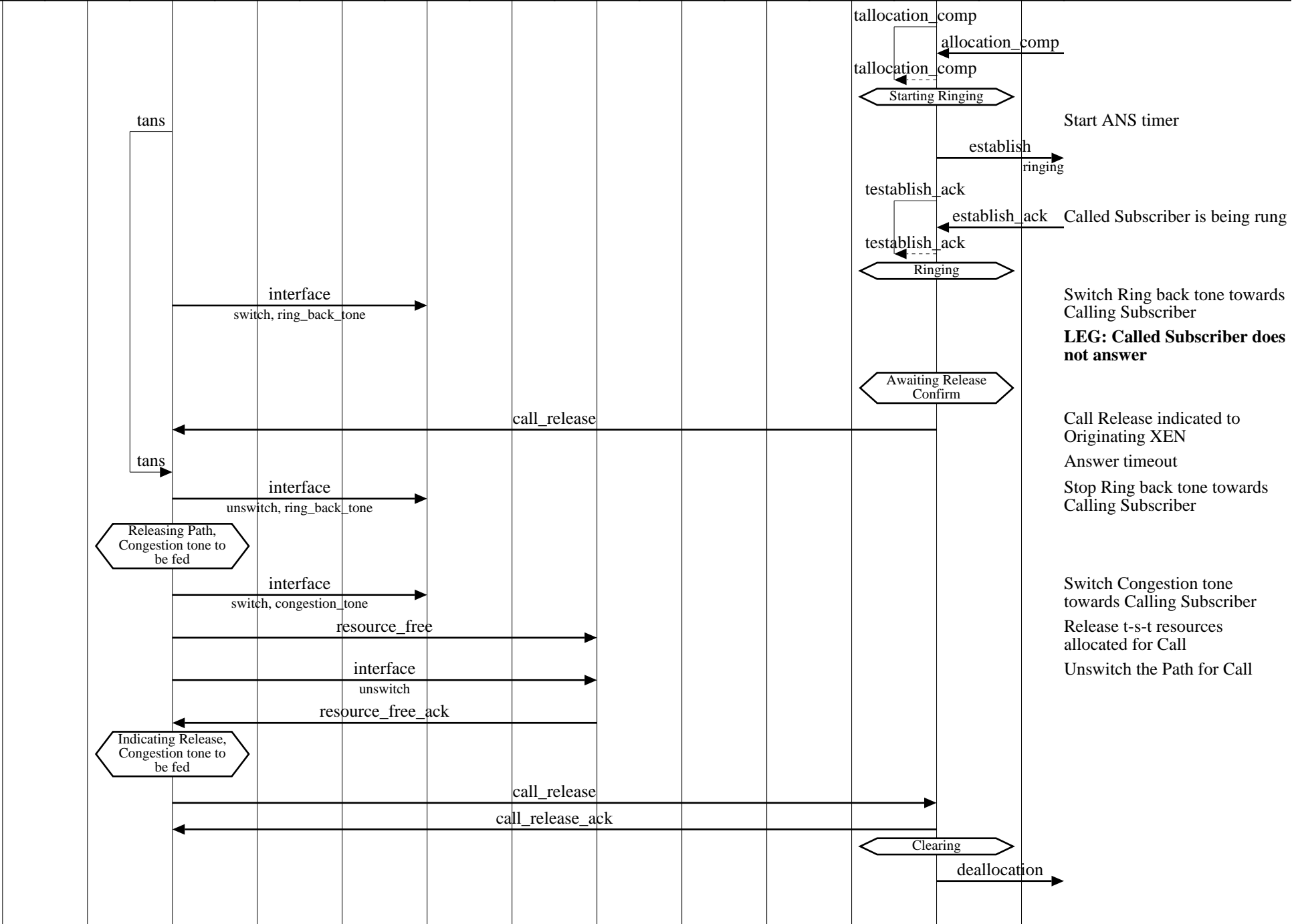
V5_call Interfaces (V5.2: Called subscriber does not answer)

| | | | | | | | | | | | | | |
|-------|---------|----------|---------|---------|-----------|----------|--------|-----------|---------|---------|----------|---------|---------------------------|
| xenon | | | | | | | | | | | | | EventStudio 1.0.2 |
| xen1 | | | | | | cas | | xen2 | | | | | 22-Oct-00 19:27 (Page 22) |
| dsp1 | v5 mgr1 | v5 call1 | E1 mgr1 | ts mgr1 | tone mgr1 | rout mgr | ss mgr | tone mgr2 | ts mgr2 | E1 mgr2 | v5 call2 | v5 mgr2 | |



V5_call Interfaces (V5.2: Called subscriber does not answer)

| | | | | | | | | | | | | | |
|-------|---------|----------|---------|---------|-----------|----------|--------|-----------|---------|---------|----------|---------|---------------------------|
| xenon | | | | | | | | | | | | | EventStudio 1.0.2 |
| xen1 | | | | | | cas | | xen2 | | | | | 22-Oct-00 19:27 (Page 23) |
| dsp1 | v5 mgr1 | v5 call1 | E1 mgr1 | ts mgr1 | tone mgr1 | rout mgr | ss mgr | tone mgr2 | ts mgr2 | E1 mgr2 | v5 call2 | v5 mgr2 | |



V5_call Interfaces (V5.2: Called subscriber does not answer)

xenon

EventStudio 1.0.2

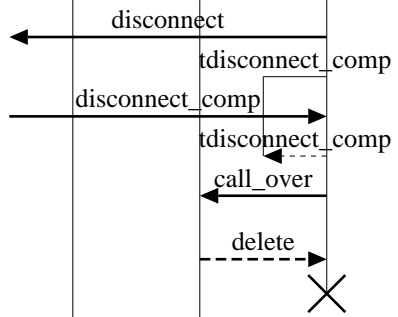
xen1

cas

xen2

dsp1 | v5 mgr1 | v5 call1 | E1 mgr1 | ts mgr1 | tone mgr1 | rout mgr | ss mgr | tone mgr2 | ts mgr2 | E1 mgr2 | v5 call2 | v5 mgr2

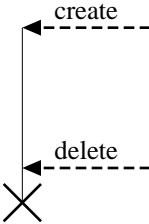
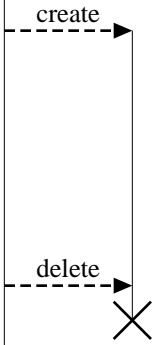
22-Oct-00 19:27 (Page 25)



Send Call Over for Calling Subscriber

| | | | | | | | | | | |
|--|------------|---------|-----------|----------|--------|---------|-----------|-------------------|-----------|---------------------------|
| V5_call Interfaces (ISUP - ISUP: Successful call; release from next exchange) | | | | | | | | | | |
| xenon | | | | | | | | EventStudio 1.0.2 | | |
| xen1 | | | | cas | | xen2 | | | | |
| isup mgr1 | isup call1 | ts mgr1 | tone mgr1 | rout mgr | ss mgr | ts mgr2 | tone mgr2 | isup call2 | isup mgr2 | 22-Oct-00 19:27 (Page 26) |

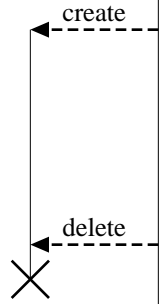
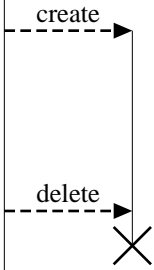
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**LEG: Outgoing call through
LEG: Call release received
from called side**

| | | | | | | | | | |
|--|------------|---------|-----------|----------|--------|---------|-----------|---------------------------|-----------|
| V5_call Interfaces (ISUP - ISUP: Successful call; release from previous exchange) | | | | | | | | | |
| xenon | | | | | | | | EventStudio 1.0.2 | |
| xen1 | | | cas | | xen2 | | | 22-Oct-00 19:27 (Page 27) | |
| isup mgr1 | isup call1 | ts mgr1 | tone mgr1 | rout mgr | ss mgr | ts mgr2 | tone mgr2 | isup call2 | isup mgr2 |

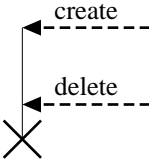
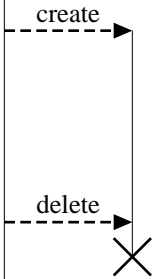
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LEG: Outgoing call through
LEG: Call release received
from calling side

| | | | | | | | | | | |
|---|------------|---------|-----------|----------|--------|---------|-----------|--------------------------|-----------|---------------------------|
| V5_call Interfaces (ISUP - ISUP: Outgoing call failed) | | | | | | | | | | |
| xenon | | | | | | | | EventStudio 1.0.2 | | |
| xen1 | | | | cas | | xen2 | | | | |
| isup mgr1 | isup call1 | ts mgr1 | tone mgr1 | rout mgr | ss mgr | ts mgr2 | tone mgr2 | isup call2 | isup mgr2 | 22-Oct-00 19:27 (Page 28) |

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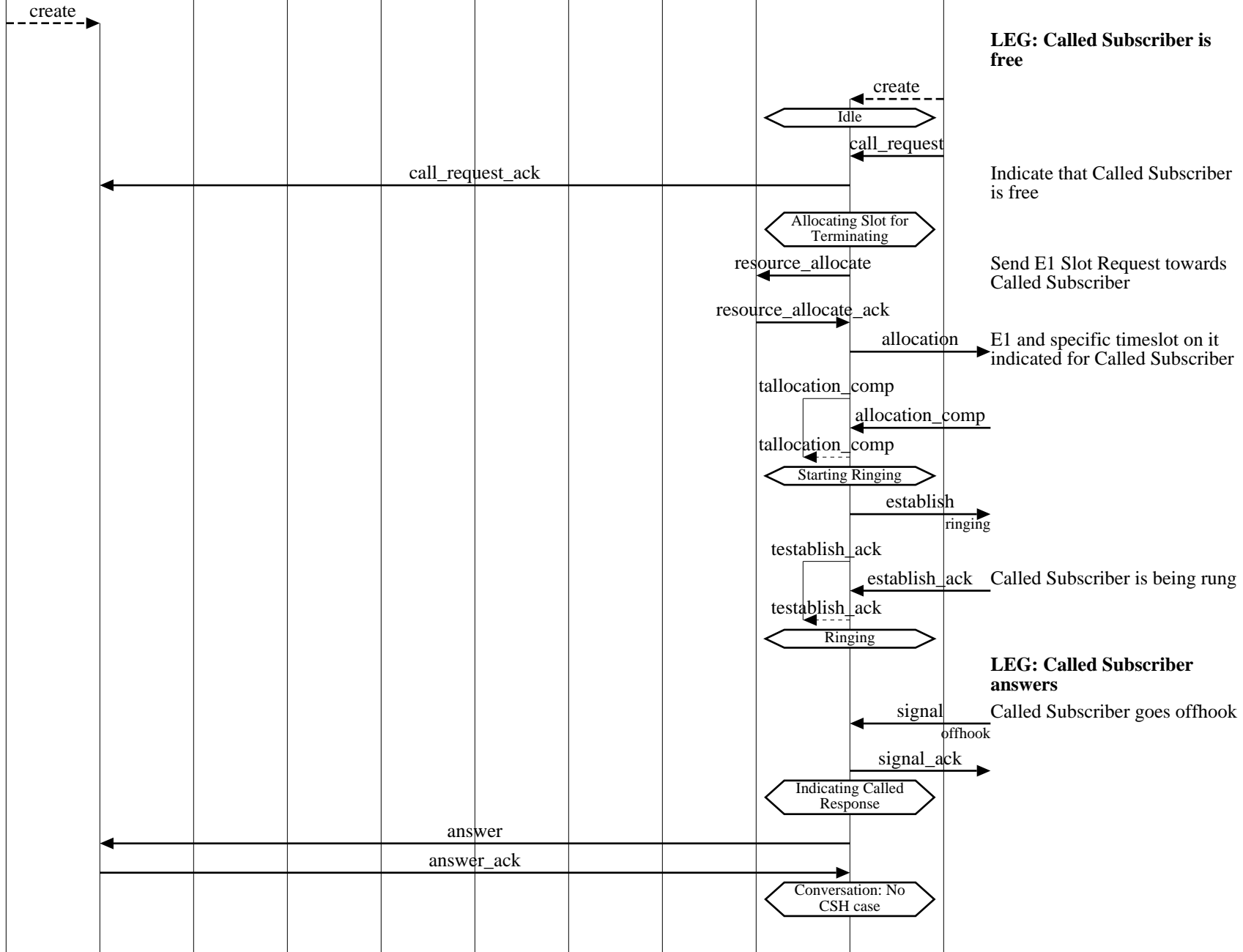


LEG: Outgoing call failed

V5_call Interfaces (ISUP - V5.2: Successful call)

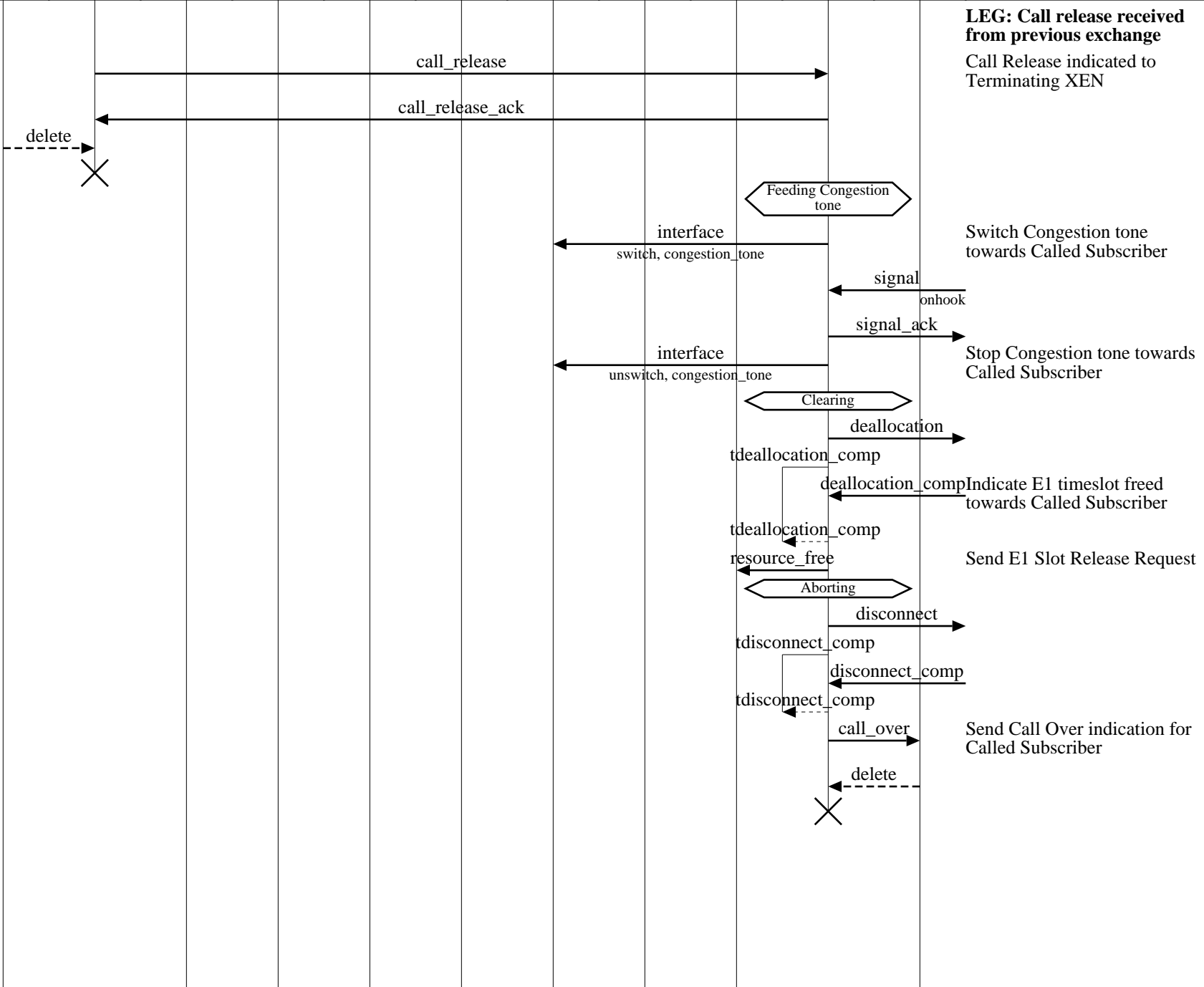
| | | | | | | | | | | |
|-----------|------------|---------|-----------|----------|--------|-----------|---------|---------|----------|---------------------------|
| xenon | | | | | | | | | | EventStudio 1.0.2 |
| xen1 | | | | cas | | xen2 | | | | 22-Oct-00 19:27 (Page 29) |
| isup mgr1 | isup call1 | ts mgr1 | tone mgr1 | rout mgr | ss mgr | tone mgr2 | ts mgr2 | E1 mgr2 | v5 call2 | v5 mgr2 |

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V5_call Interfaces (ISUP - V5.2: Successful call)

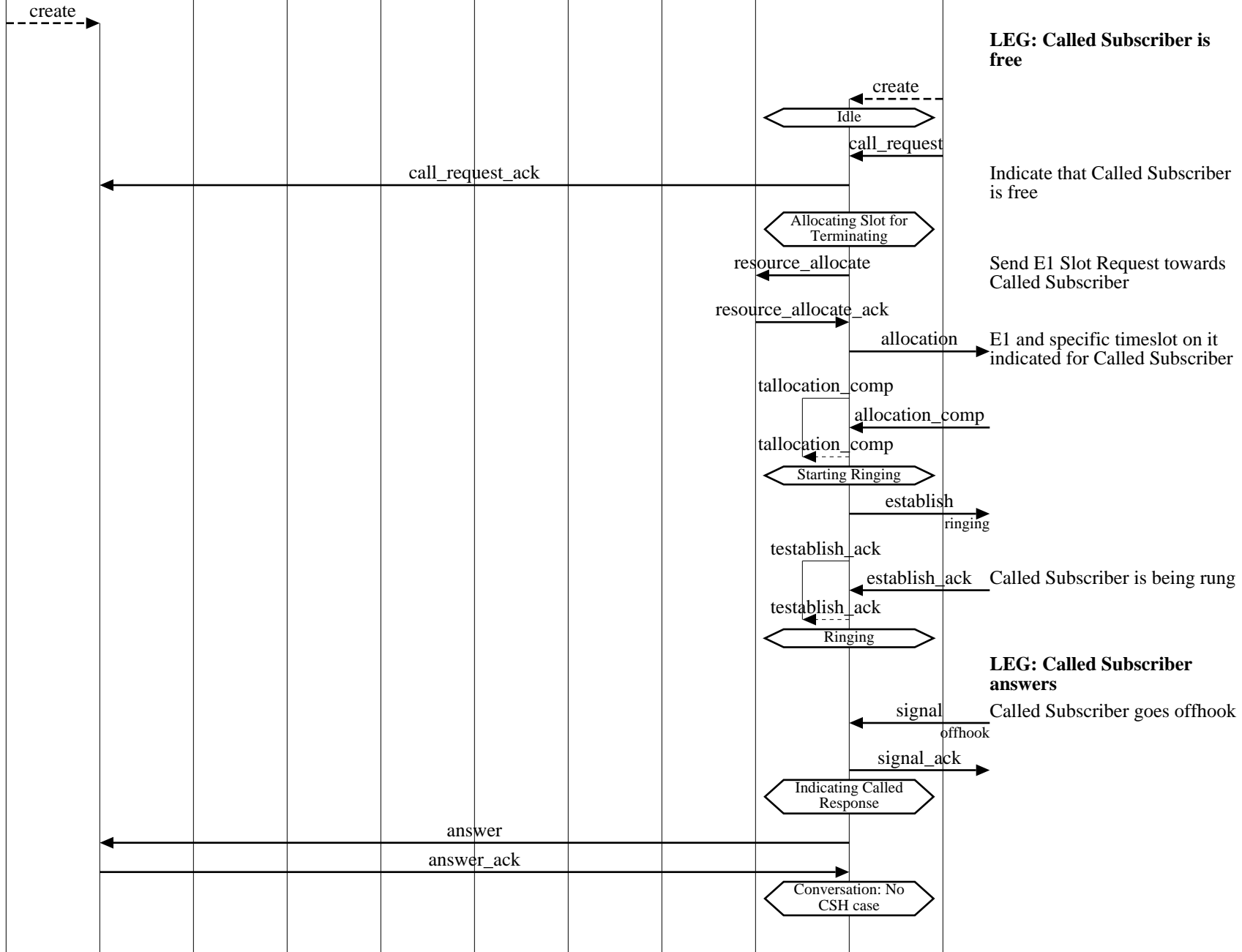
| | | | | | | | | | | | |
|-----------|------------|---------|-----------|----------|--------|-----------|---------|---------|----------|---------|---------------------------|
| xenon | | | | | | | | | | | EventStudio 1.0.2 |
| xen1 | | | | cas | | xen2 | | | | | 22-Oct-00 19:27 (Page 30) |
| isup mgr1 | isup call1 | ts mgr1 | tone mgr1 | rout mgr | ss mgr | tone mgr2 | ts mgr2 | E1 mgr2 | v5 call2 | v5 mgr2 | |



V5_call Interfaces (ISUP - V5.2: CSH timeout)

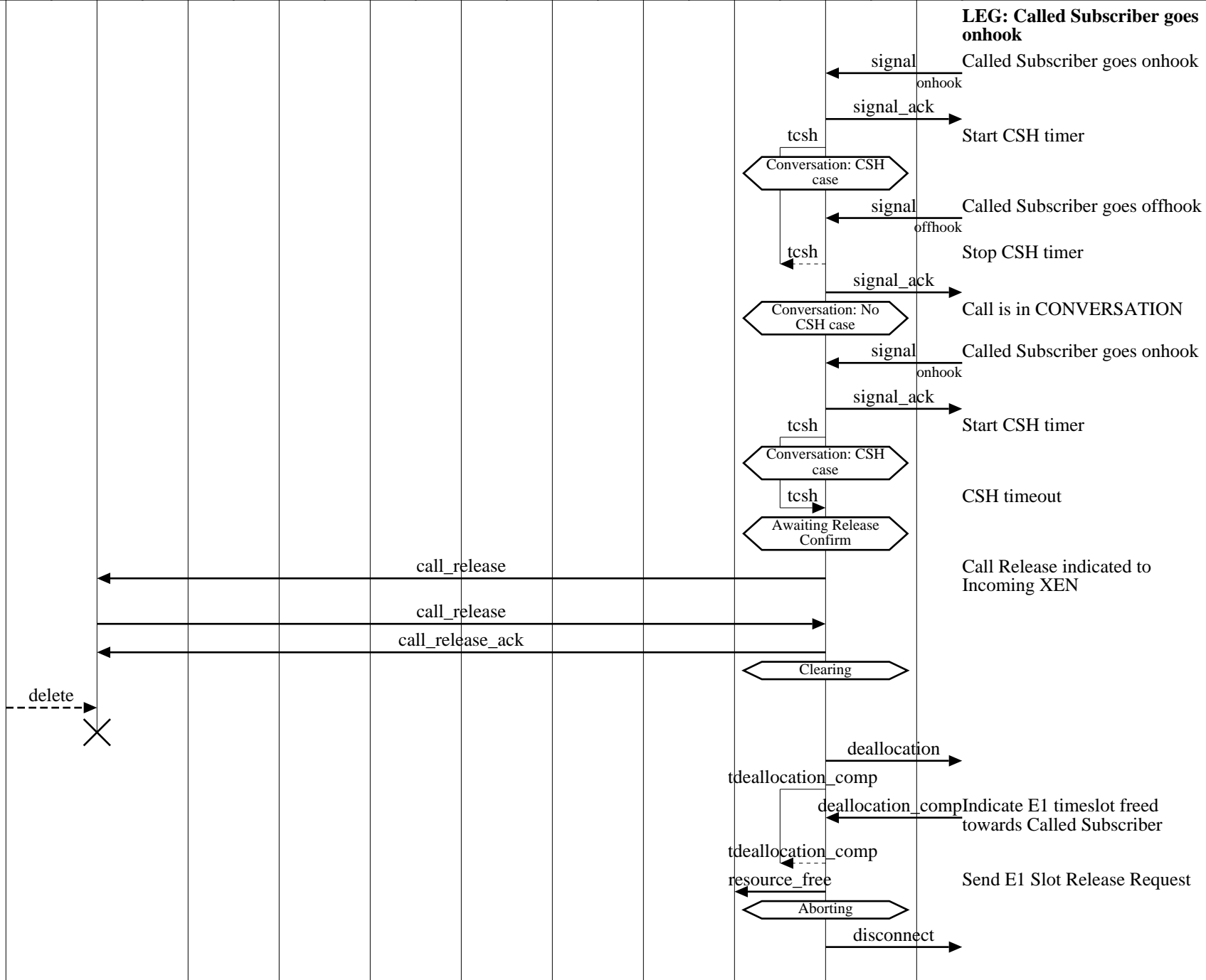
| | | | | | | | | | | | |
|-----------|------------|---------|-----------|----------|--------|-----------|---------|---------|----------|---------------------------|--|
| xenon | | | | | | | | | | EventStudio 1.0.2 | |
| xen1 | | | | cas | | xen2 | | | | 22-Oct-00 19:27 (Page 31) | |
| isup mgr1 | isup call1 | ts mgr1 | tone mgr1 | rout mgr | ss mgr | tone mgr2 | ts mgr2 | E1 mgr2 | v5 call2 | v5 mgr2 | |

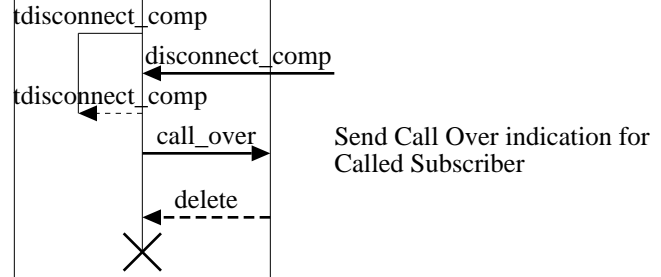
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V5_call Interfaces (ISUP - V5.2: CSH timeout)

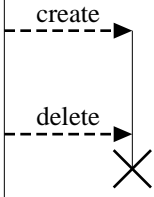
| | | | | | | | | | | | |
|-----------|------------|---------|-----------|----------|--------|-----------|---------|---------|----------|---------------------------|--|
| xenon | | | | | | | | | | EventStudio 1.0.2 | |
| xen1 | | | | cas | | xen2 | | | | 22-Oct-00 19:27 (Page 32) | |
| isup mgr1 | isup call1 | ts mgr1 | tone mgr1 | rout mgr | ss mgr | tone mgr2 | ts mgr2 | E1 mgr2 | v5 call2 | v5 mgr2 | |





| | | | | | | | | | | | |
|---|------------|---------|-----------|----------|--------|-----------|---------|---------|----------|--------------------------|---------------------------|
| V5_call Interfaces (ISUP - V5.2: Outgoing call failed) | | | | | | | | | | | |
| xenon | | | | | | | | | | EventStudio 1.0.2 | |
| xen1 | | | | cas | | xen2 | | | | | |
| isup mgr1 | isup call1 | ts mgr1 | tone mgr1 | rout mgr | ss mgr | tone mgr2 | ts mgr2 | E1 mgr2 | v5 call2 | v5 mgr2 | 22-Oct-00 19:27 (Page 34) |

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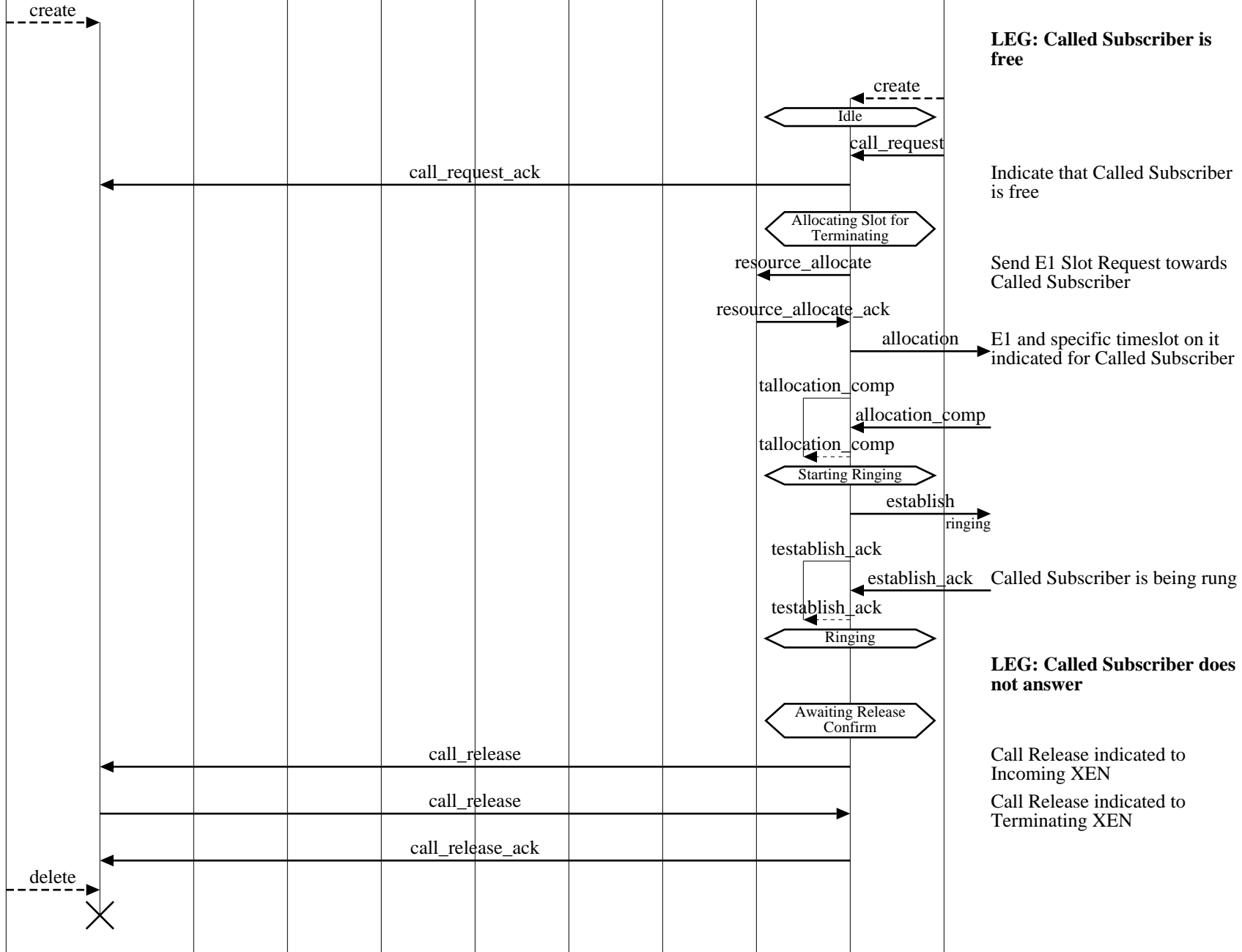


LEG: Called Subscriber is busy

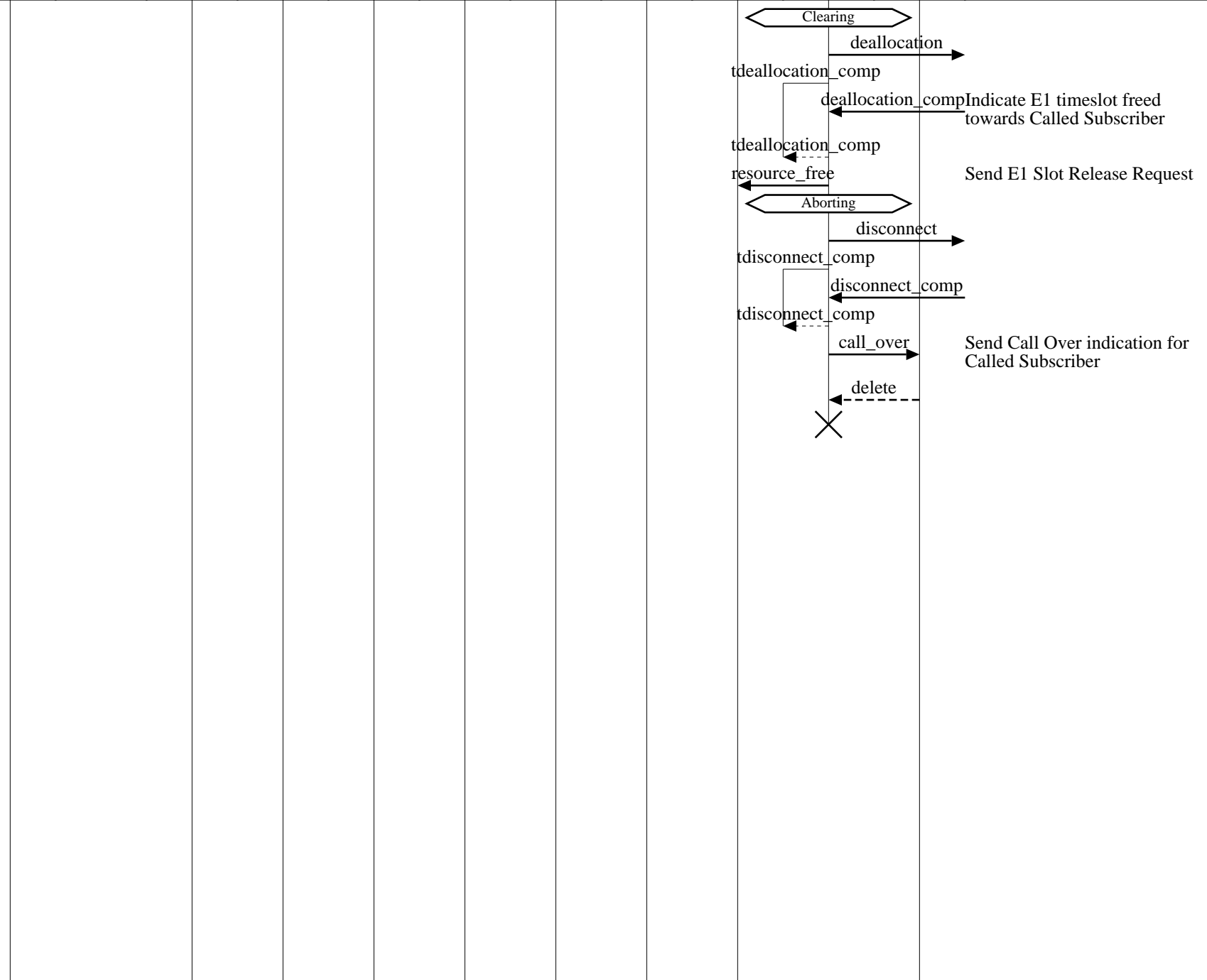
V5_call Interfaces (ISUP - V5.2: Called subscriber does not answer)

| | | | | | | | | | | | |
|-----------|------------|---------|-----------|----------|--------|-----------|---------|---------|----------|---------|---------------------------|
| xenon | | | | | | | | | | | EventStudio 1.0.2 |
| xen1 | | | | cas | | xen2 | | | | | 22-Oct-00 19:27 (Page 35) |
| isup mgr1 | isup call1 | ts mgr1 | tone mgr1 | rout mgr | ss mgr | tone mgr2 | ts mgr2 | E1 mgr2 | v5 call2 | v5 mgr2 | |

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| | | | | | | | | | | | | |
|--|------------|---------|-----------|----------|--------|-----------|---------|---------|----------|--------------------------|--|---------------------------|
| V5_call Interfaces (ISUP - V5.2: Called subscriber does not answer) | | | | | | | | | | | | |
| xenon | | | | | | | | | | EventStudio 1.0.2 | | |
| xen1 | | | | cas | | xen2 | | | | | | 22-Oct-00 19:27 (Page 36) |
| isup mgr1 | isup call1 | ts mgr1 | tone mgr1 | rout mgr | ss mgr | tone mgr2 | ts mgr2 | E1 mgr2 | v5 call2 | v5 mgr2 | | |



V5_call Interfaces (V5.2 - ISUP: Successful call)

xenon

EventStudio 1.0.2

xen1

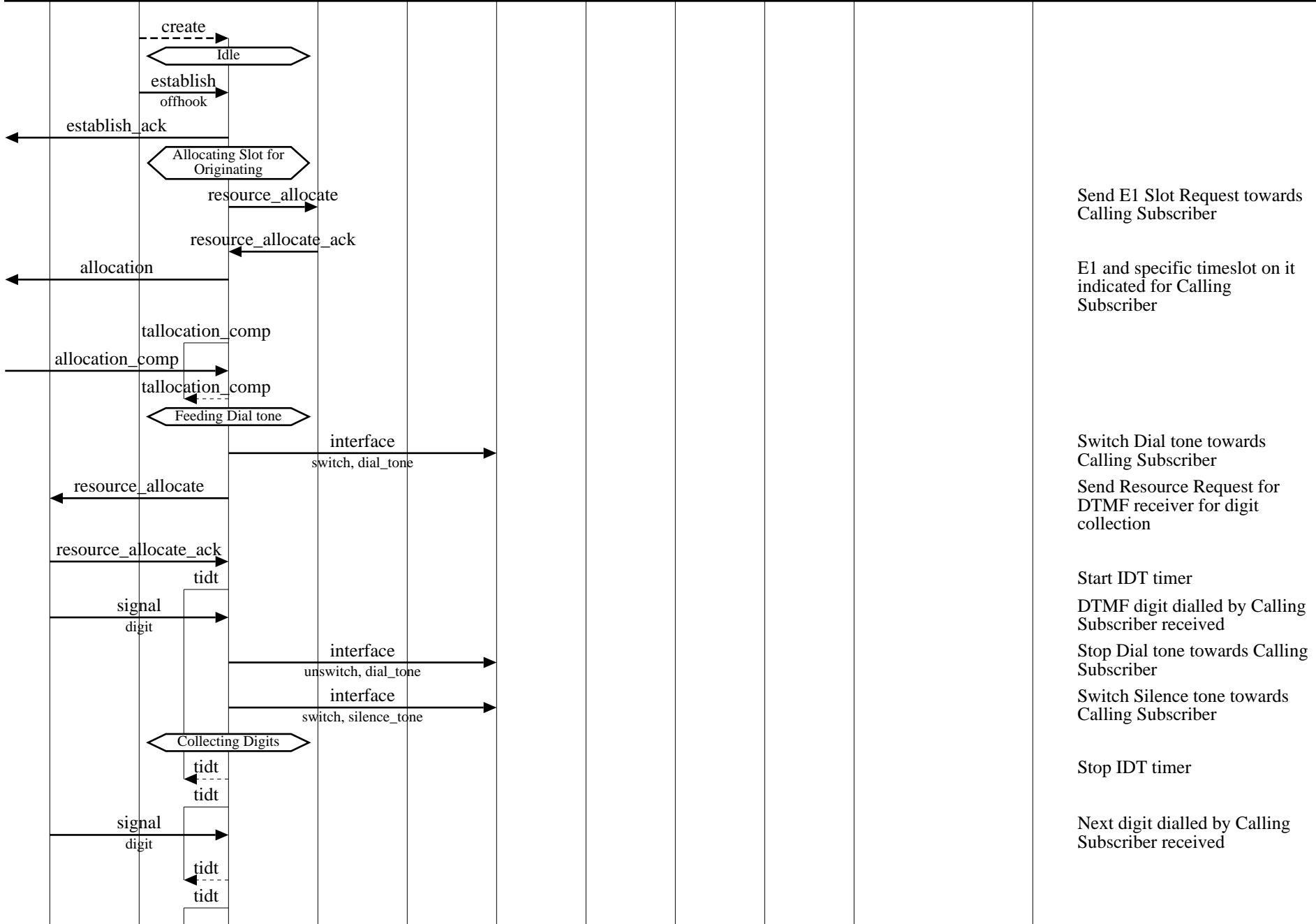
cas

xen2

dsp1 | v5 mgr1 | v5 call1 | E1 mgr1 | ts mgr1 | tone mgr1 | rout mgr | ss mgr | ts mgr2 | tone mgr2 | isup call2 | isup mgr2

22-Oct-00 19:27 (Page 37)

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Send E1 Slot Request towards Calling Subscriber

E1 and specific timeslot on it indicated for Calling Subscriber

Switch Dial tone towards Calling Subscriber

Send Resource Request for DTMF receiver for digit collection

Start IDT timer

DTMF digit dialled by Calling Subscriber received

Stop Dial tone towards Calling Subscriber

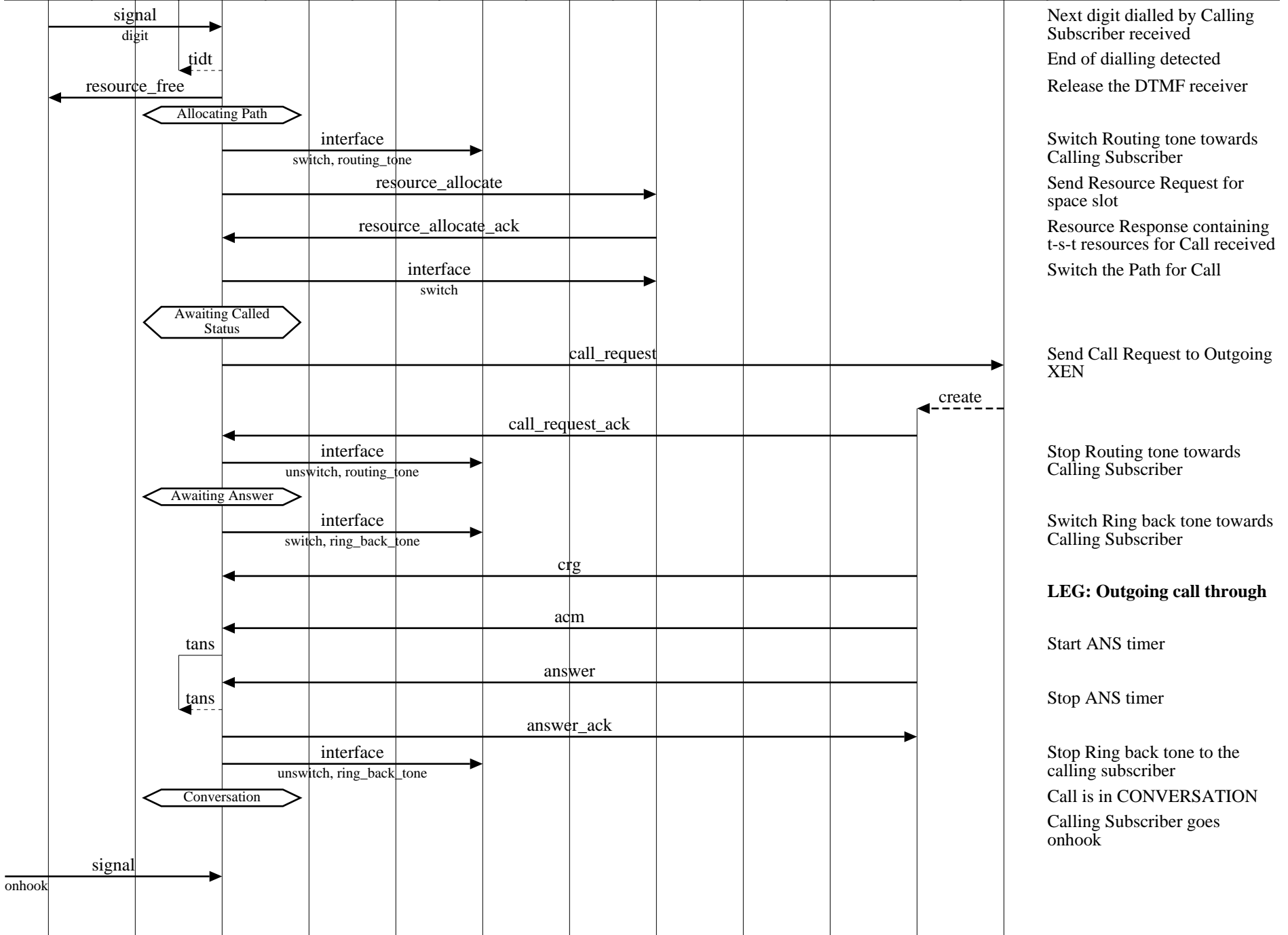
Switch Silence tone towards Calling Subscriber

Stop IDT timer

Next digit dialled by Calling Subscriber received

V5_call Interfaces (V5.2 - ISUP: Successful call)

| | | | | | | | | | | | | |
|-------|---------|----------|---------|---------|-----------|----------|--------|---------|-----------|--------------------------|-----------|---------------------------|
| xenon | | | | | | | | | | EventStudio 1.0.2 | | |
| xen1 | | | | | cas | | xen2 | | | | | 22-Oct-00 19:27 (Page 38) |
| dsp1 | v5 mgr1 | v5 call1 | E1 mgr1 | ts mgr1 | tone mgr1 | rout mgr | ss mgr | ts mgr2 | tone mgr2 | isup call2 | isup mgr2 | |



Next digit dialled by Calling Subscriber received
 End of dialling detected
 Release the DTMF receiver

Switch Routing tone towards Calling Subscriber
 Send Resource Request for space slot
 Resource Response containing t-s-t resources for Call received
 Switch the Path for Call

Send Call Request to Outgoing XEN

Stop Routing tone towards Calling Subscriber

Switch Ring back tone towards Calling Subscriber

LEG: Outgoing call through

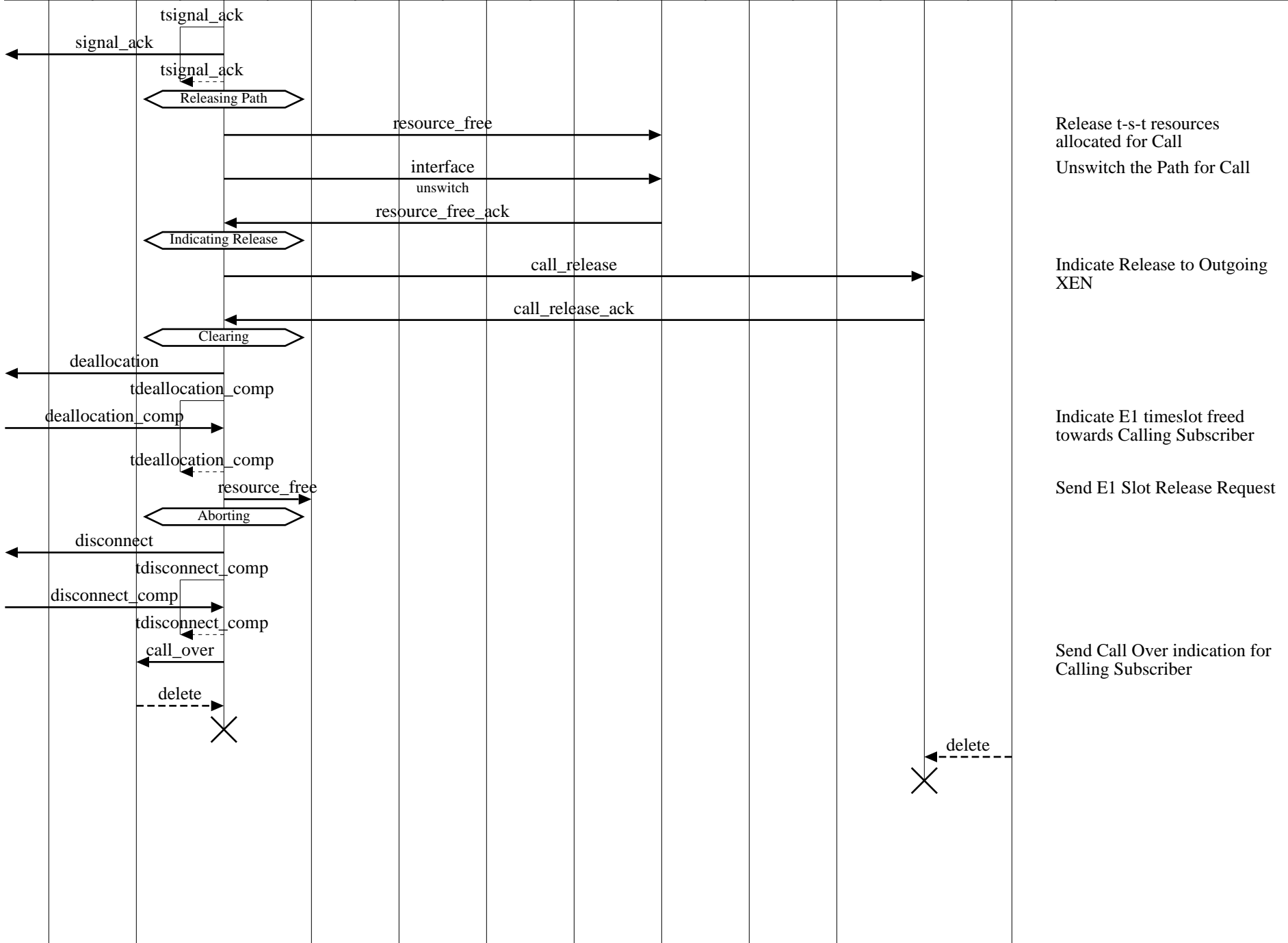
Start ANS timer

Stop ANS timer

Stop Ring back tone to the calling subscriber
 Call is in CONVERSATION
 Calling Subscriber goes onhook

V5_call Interfaces (V5.2 - ISUP: Successful call)

| | | | | | | | | | | | | | |
|-------|---------|----------|---------|---------|-----------|----------|--------|---------|-----------|------------|--------------------------|---------------------------|--|
| xenon | | | | | | | | | | | EventStudio 1.0.2 | | |
| xen1 | | | | | | cas | | xen2 | | | | 22-Oct-00 19:27 (Page 39) | |
| dsp1 | v5 mgr1 | v5 call1 | E1 mgr1 | ts mgr1 | tone mgr1 | rout mgr | ss mgr | ts mgr2 | tone mgr2 | isup call2 | isup mgr2 | | |



Release t-s-t resources allocated for Call
Unswitch the Path for Call

Indicate Release to Outgoing XEN

Indicate E1 timeslot freed towards Calling Subscriber

Send E1 Slot Release Request

Send Call Over indication for Calling Subscriber

V5_call Interfaces (V5.2 - ISUP: Outgoing call failed)

xenon

EventStudio 1.0.2

xen1

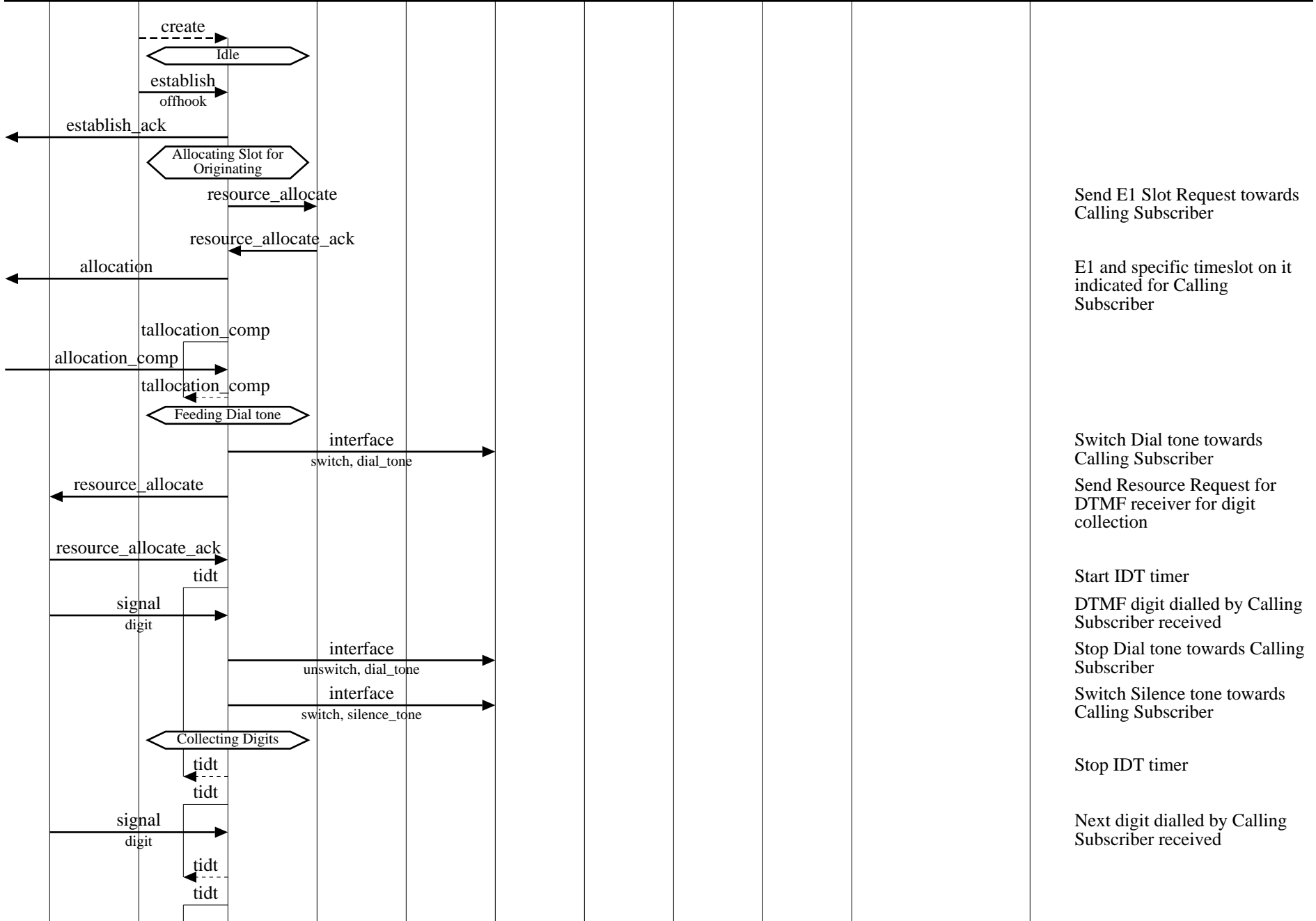
cas

xen2

dsp1 | v5 mgr1 | v5 call1 | E1 mgr1 | ts mgr1 | tone mgr1 | rout mgr | ss mgr | ts mgr2 | tone mgr2 | isup call2 | isup mgr2

22-Oct-00 19:27 (Page 40)

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Send E1 Slot Request towards Calling Subscriber

E1 and specific timeslot on it indicated for Calling Subscriber

Switch Dial tone towards Calling Subscriber

Send Resource Request for DTMF receiver for digit collection

Start IDT timer

DTMF digit dialled by Calling Subscriber received

Stop Dial tone towards Calling Subscriber

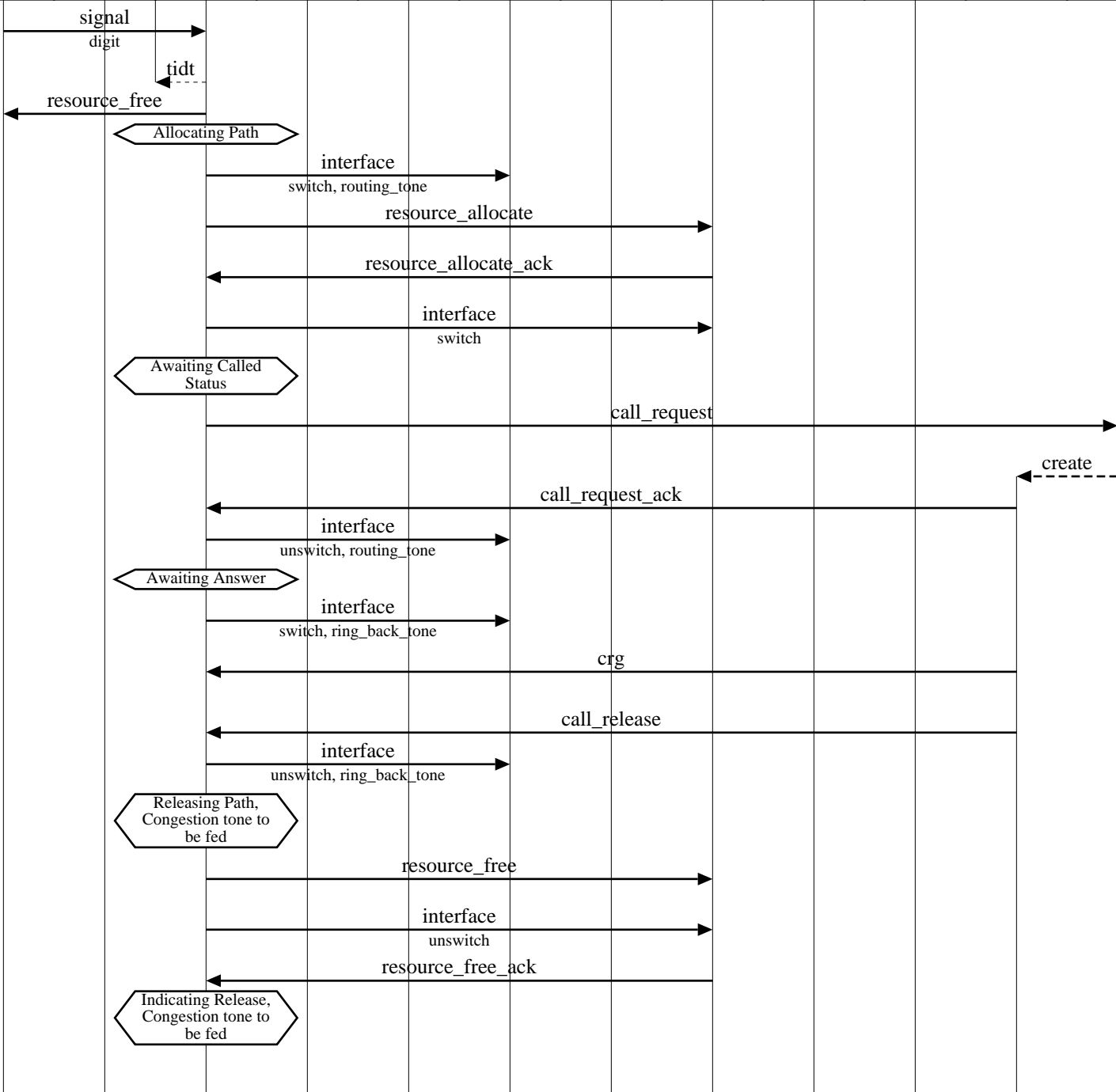
Switch Silence tone towards Calling Subscriber

Stop IDT timer

Next digit dialled by Calling Subscriber received

V5_call Interfaces (V5.2 - ISUP: Outgoing call failed)

| | | | | | | | | | | | | |
|-------|---------|----------|---------|---------|-----------|----------|--------|---------|-----------|--------------------------|-----------|---------------------------|
| xenon | | | | | | | | | | EventStudio 1.0.2 | | |
| xen1 | | | | | cas | | xen2 | | | | | 22-Oct-00 19:27 (Page 41) |
| dsp1 | v5 mgr1 | v5 call1 | E1 mgr1 | ts mgr1 | tone mgr1 | rout mgr | ss mgr | ts mgr2 | tone mgr2 | isup call2 | isup mgr2 | |



Next digit dialled by Calling Subscriber received
 End of dialling detected
 Release the DTMF receiver

Switch Routing tone towards Calling Subscriber
 Send Resource Request for space slot
 Resource Response containing t-s-t resources for Call received
 Switch the Path for Call

Send Call Request to Outgoing XEN

Stop Routing tone towards Calling Subscriber

Switch Ring back tone towards Calling Subscriber

LEG: Outgoing call failed

Stop Ring back tone towards Calling Subscriber

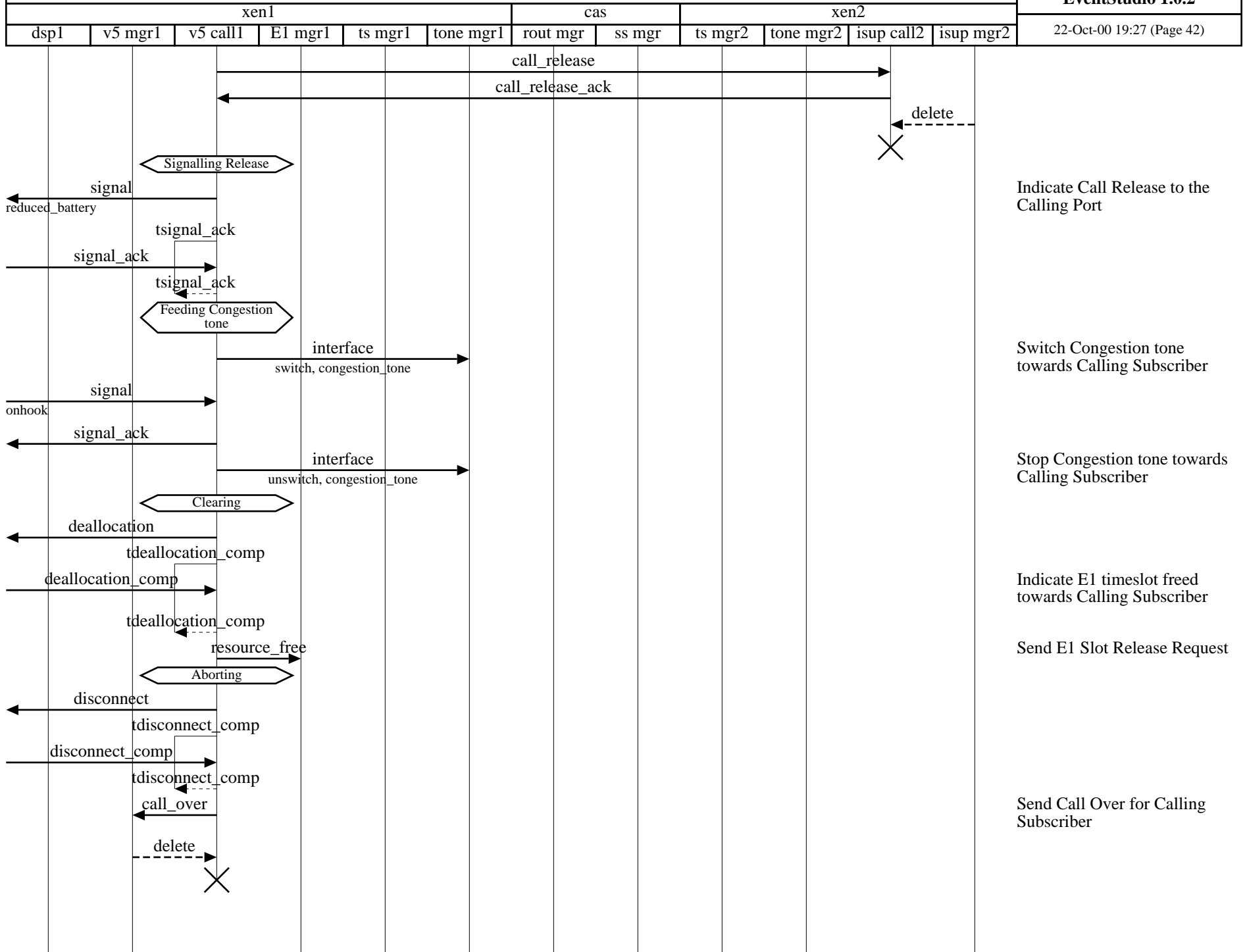
Release t-s-t resources allocated for Call
 Unswitch the Path for Call

V5_call Interfaces (V5.2 - ISUP: Outgoing call failed)

xenon

EventStudio 1.0.2

22-Oct-00 19:27 (Page 42)



Indicate Call Release to the Calling Port

Switch Congestion tone towards Calling Subscriber

Stop Congestion tone towards Calling Subscriber

Indicate E1 timeslot freed towards Calling Subscriber

Send E1 Slot Release Request

Send Call Over for Calling Subscriber