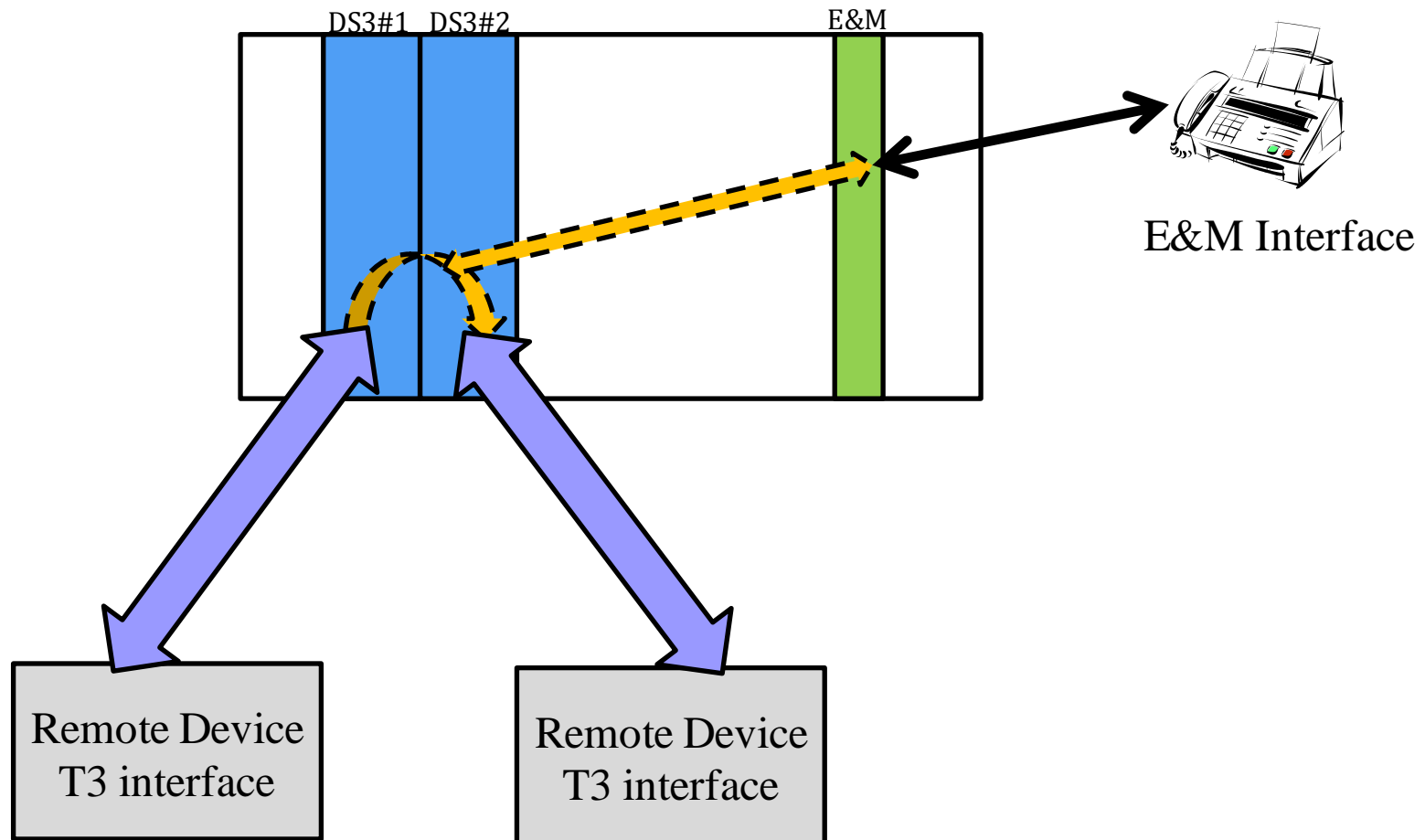


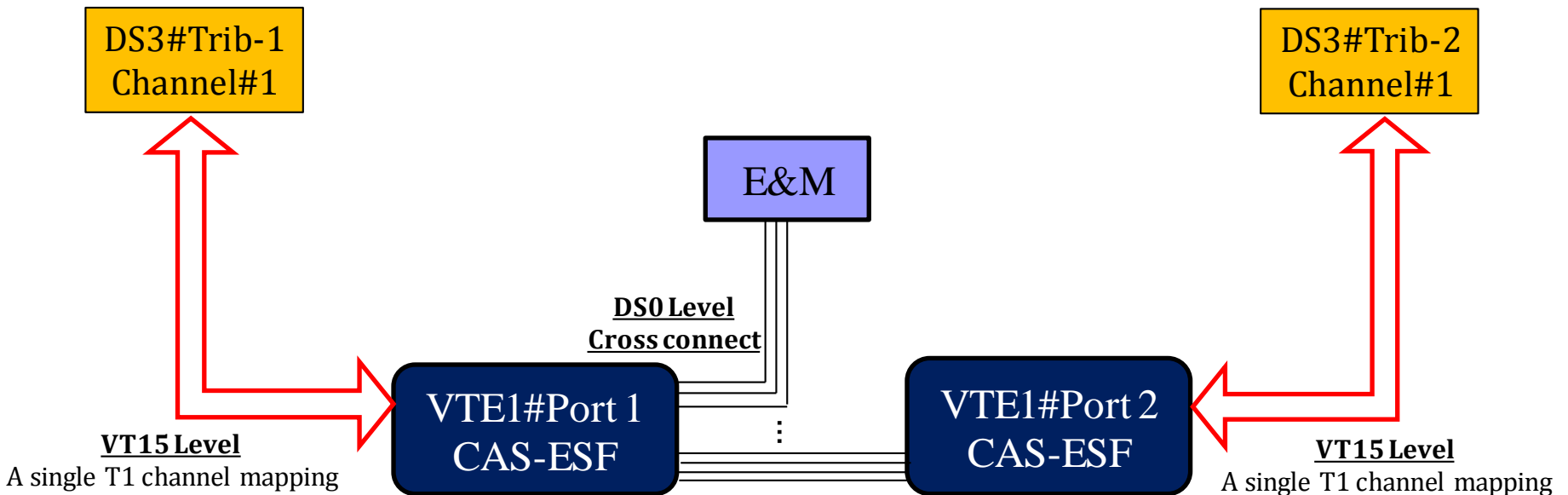


O9500 – Between T3-M13 and E&M

Connection Diagram



Conceptual Diagram





Preparation

System Mode Setup

09500 Command path:

H -> SDH/SONET Setup

A -> System Mode Setup

```

LoopTerm Version V1.00 - COM4 OPEN
File Edit Setup Help
09500R          === System Mode Setup ===          15:37:20 08/17/2011
ARROW KEYS: CURSOR MOVE TAB/` : ROLL UP/DOWN OPTIONS
SDH/SONET Mode : SONET          MSP WTR Timer : 300 seconds
Group1 Member  : XCU1-P1 & XCU2-P1      SNCP/UPSR Mode : Intrusive
Group2 Member  : XCU1-P2 & XCU2-P2
===== Aggregate Line Protection Switch Group1 =====
Mode           : NP
XCU1-P1 Rate   : OC12                   XCU2-P1 Rate   : OC12

[MSP1+1]
Protection: ----
Revertive  : ----
Direction  : ----

===== Aggregate Line Protection Switch Group2 =====
Mode           : NP
XCU1-P2 Rate   : OC12                   XCU2-P2 Rate   : OC12

[MSP1+1]
Protection: ----
Revertive  : ----
Direction  : ----

<< Press ESC key to return to previous menu >>
  
```

Card Registration

09500 Command path:

N -> Unit Registration

```

LoopTerm Version V1.00 - COM4 OPEN
File Edit Setup Help
09500R          === Unit Registration ===          15:38:07 08/17/2011
ARROW KEYS: CURSOR MOVE, TAB/` : ROLL UP/DOWN OPTIONS

SL.  REG. Model/Mode      Card Model      Software Version  Remark
=====
#1   T3-M13-NP           E3/T3/M13      V2.06.02 05/17/2011
#2   T3-M13-NP           E3/T3/M13      V2.06.02 05/17/2011
#3
#4
                                     (PRTD = Protected, NP = No Protection)
=====
#11  E&M                 E&M            V4.02.01 04/15/2010
#12
#13
#14
#15
#16

Command          : Card Registration

<< Press ESC key to return to previous menu >>
  
```

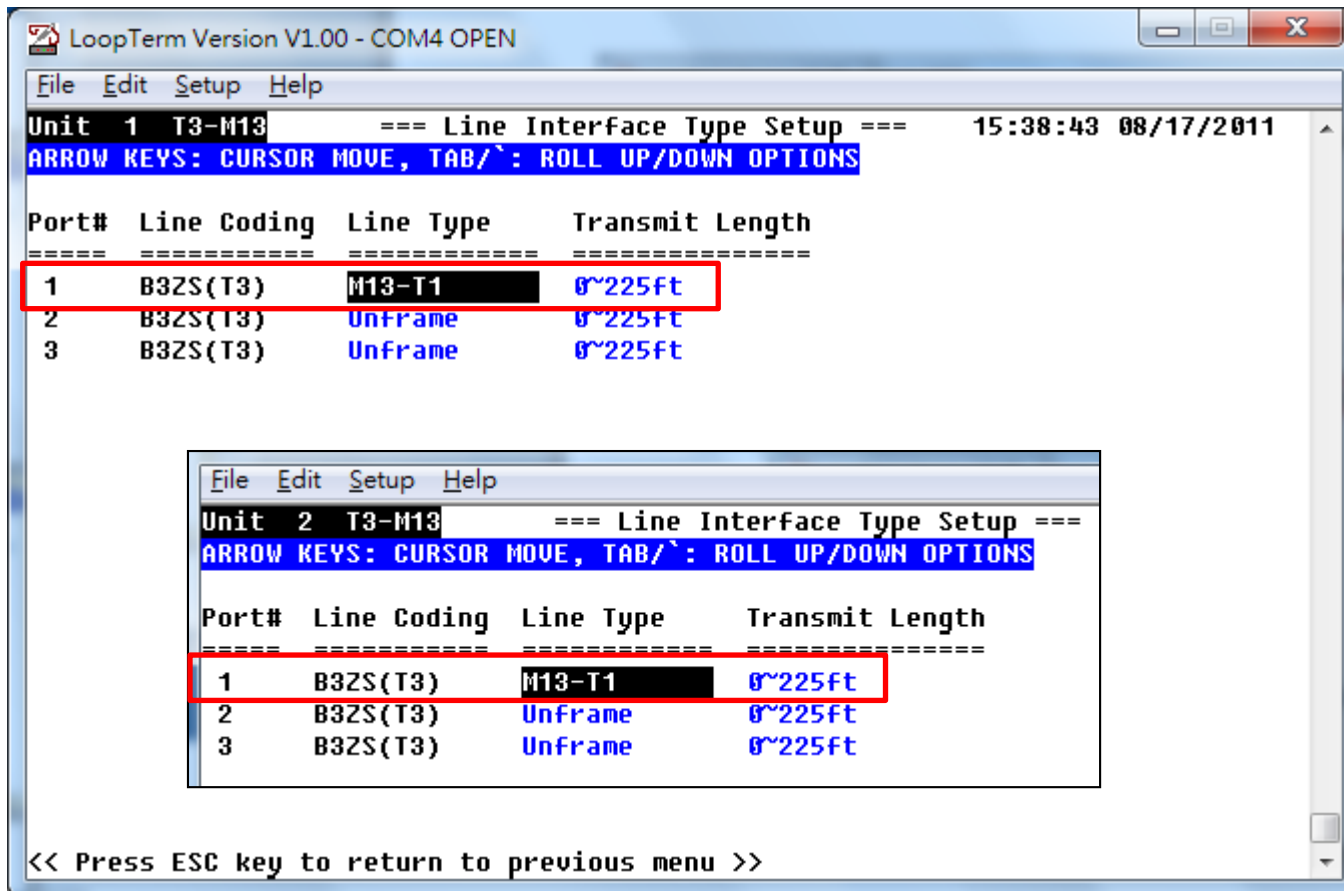
T3-M13 Line Interface Setup

O9500 Command path:

==>> Press Tab key to select the unit: **1**

S -> Config Setup

A -> Line Interface Type Setup



LoopTerm Version V1.00 - COM4 OPEN

File Edit Setup Help

Unit 1 T3-M13 === Line Interface Type Setup === 15:38:43 08/17/2011

ARROW KEYS: CURSOR MOVE, TAB/^: ROLL UP/DOWN OPTIONS

Port#	Line Coding	Line Type	Transmit Length
1	B32S(T3)	M13-T1	0~225ft
2	B32S(T3)	Unframe	0~225ft
3	B32S(T3)	Unframe	0~225ft

File Edit Setup Help

Unit 2 T3-M13 === Line Interface Type Setup ===

ARROW KEYS: CURSOR MOVE, TAB/^: ROLL UP/DOWN OPTIONS

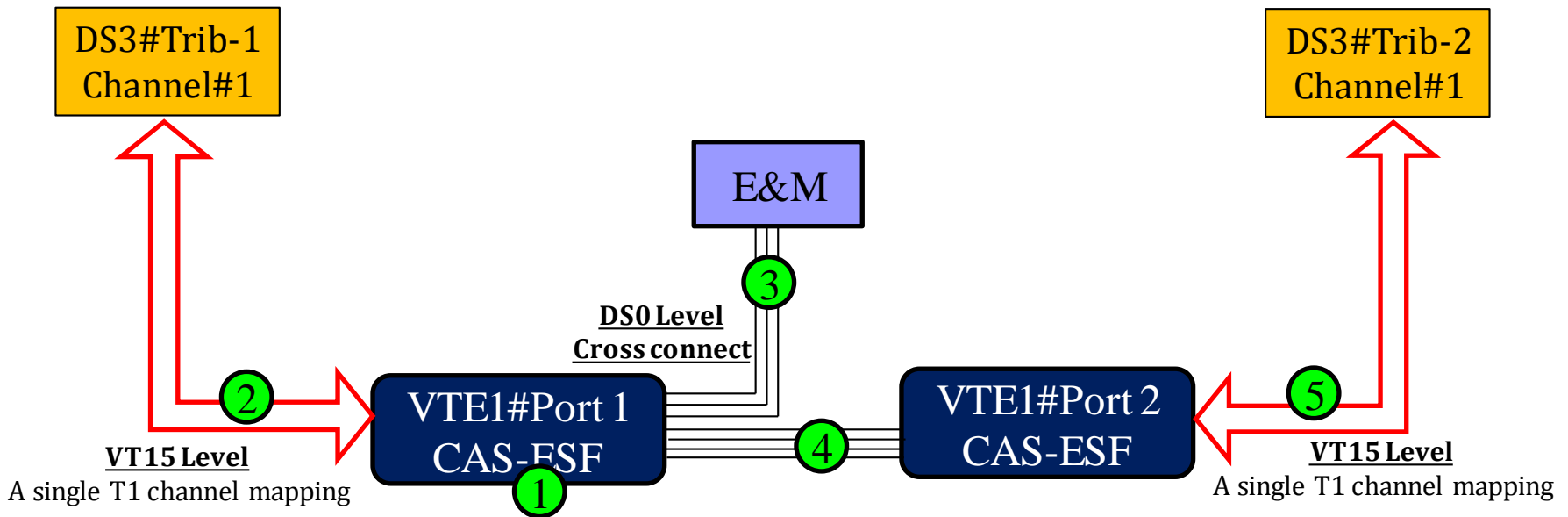
Port#	Line Coding	Line Type	Transmit Length
1	B32S(T3)	M13-T1	0~225ft
2	B32S(T3)	Unframe	0~225ft
3	B32S(T3)	Unframe	0~225ft

<< Press ESC key to return to previous menu >>



Configuration

Conceptual Diagram

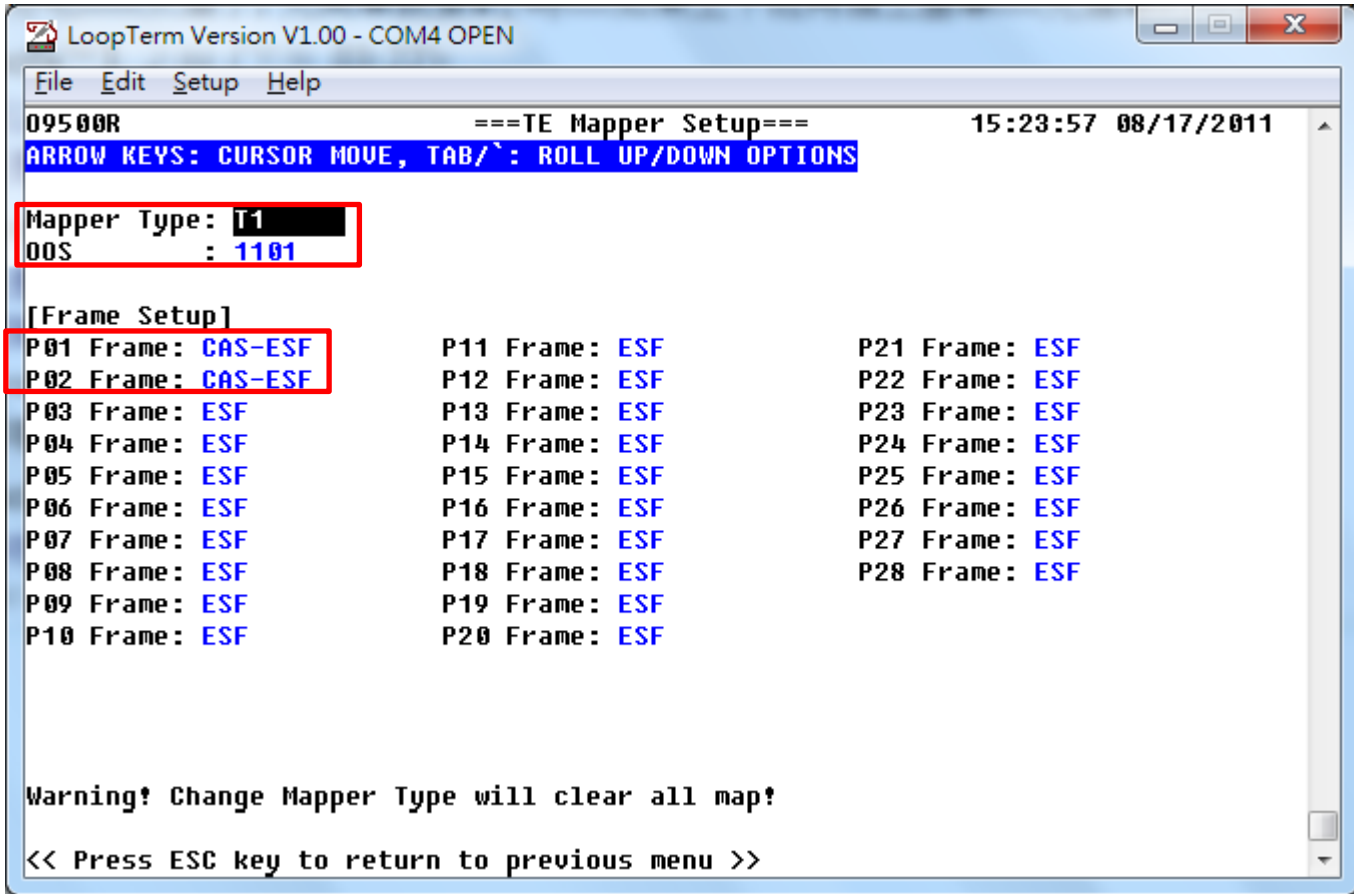


Configuration Procedure

- Step-1, TE Mapper Setup to CAS-ESF
- Step-2, VTE# 1Port-1 to Trib-1 Port1 VT15 Level cross connect
- Step-3, VTE# 1Port-1 to Low-speed E&M DS0 Level cross connect
- Step-4, VTE# 1Port-1 to VTE# 1Port-2 DS0 Level cross connect
- Step-5, VTE# 1Port-2 to Trib-2 Port 2 VT15 Level cross connect

Step-1, TE Mapper Setup

09500 Command path:
G -> Map Setup
M -> TE Mapper Setup



Step-2, VTE#1P1 to Trib-1P1

O9500 Command path:

G -> Map Setup

A -> Cross Connect Create Setup

```

LoopTerm Version V1.00 - COM4 OPEN
File Edit Setup Help
O9500R      === Cross Connect Create Setup ===   15:15:35 08/17/2011
ARROW KEYS: CURSOR MOVE, TAB/^: ROLL UP/DOWN OPTIONS
Granularity : UT15
Xcon Type   : Bi-Xc
Count       : 01
----- Source -----
From Slot   : UTE1
From Port   : 01
----- Destination -----
To Slot     : Trib-1
To Port     : 1           To TS      : 01 -Channel

Virtual PORT : Source -> UTE1           Timeslot Available
#01~16      : x 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
#17~28      : 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

T3 PORT  CHAN : Destination -> Trib-1       Timeslot Available
#1      01~28 : x 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
#2      : -
#3      : -

<< Press ESC key to return to previous menu >>
  
```

Step-3, between VTE1P1 and E&M

O9500 Command path:

G -> Map Setup

D -> DS0 TSI Map Setup

```

LoopTerm Version V1.00 - COM4 OPEN
File Edit Setup Help
O9500R      === DS0 TSI Map Setup ===      15:26:13 08/17/2011
ARROW KEYS: CURSOR MOVE, TAB/^: ROLL UP/DOWN OPTIONS
MAP NO: MAP 1

Target      UTE1      GAS      Source      E&M
PO/TS D SL/PO TS PO/TS D SL/PO TS PO/TS D SL/PO TS PO/TS D SL/PO TS
=====
Target
Slot :UTE1
Port :P1
T.S. :03
T.S.#:01
Clear:No
d/v :v
Source
Slot :11
Port :P3
T.S. :03
Confirm?Yes
16 d

<< Press ESC key to return to previous menu >>
  
```

Step-4, between VTE#1P1 and VTE#1P2

O9500 Command path:

G -> Map Setup

D -> DS0 TSI Map Setup

```

LoopTerm Version V1.00 - COM4 OPEN
File Edit Setup Help
O9500R          === DS0 TSI Map Setup ===          15:26:13 08/17/2011
ARROW KEYS: CURSOR MOVE, TAB/` : ROLL UP/DOWN OPTIONS
MAP NO: MAP_1
Target          UTE1      CAS          Source        UTE1      CAS
PO/TS D SL/PO TS PO/TS D SL/PO TS PO/TS D SL/PO TS PO/TS D SL/PO TS PO/TS D SL/PO TS
Target
Slot :UTE1
Port :P1
T.S. :04
T.S.#:21
Clear:No
d/v :d
Source
Slot :UTE1
Port :P2
T.S. :4
Confirm?Yes
1 15 d US 2 15
1 16 d US 2 16
<< Press ESC key to return to previous menu >>
  
```

Step-5, from VTE#1P2 to Trib-2P1

09500 Command path:

G -> Map Setup

A -> Cross Connect Create Setup

```

LoopTerm Version V1.00 - COM4 OPEN
File Edit Setup Help
09500R          === Cross Connect Create Setup ===      15:15:35 08/17/2011
ARROW KEYS - CURSOR MOVE, TAB/^ - ROLL UP/DOWN OPTIONS
Granularity    : UT15
Xcon Type      : Bi-Xc
Count          : 01
----- Source -----
From Slot      : UTE1
From Port      : 02
----- Destination -----
To Slot        : Trib-2
To Port        : 1          To TS      : 01 -Channel

Virtual PORT   : Source -> UTE1          Timeslot Available
#01~16         : x x 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
#17~28         : 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0

T3 PORT  CHAN : Destination -> Trib-2    Timeslot Available
#1       01~28 : x 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
#2       : -
#3       : -

<< Press ESC key to return to previous menu >>
  
```