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Apple Internet Router 3.0 and X.25 Wide Area Extension (11/93)

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Security: Everyone

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TOPIC -----

I'm having trouble connecting two Apple Internet Routers, version 3.0, with the AppleTalk/X.25 Wide Area Extension, and MacX25 v1.2 using a 64 kbps line.

CONFIGURATION:

Copen-

hagen Macintosh

Macintosh

	-----		-----	
	Router 3.0	Hydra ----- 64 Kbit ----- Hydra	Router 3.0	
-----	MacX25	----- Modem ===== Modem -----	MacX25	-----
	X25Ext	cable ----- tel-line ----- cable	X25Ext	
	----- port1a		-----	

Network

Parameter "Apple DCE"

"Apple DTE"

File

X.25 addr 2382XXXXXXXXXX

2382XXXXXXXXXX

MODE Call

Answer

Question 1:

Is this configuration supported using a 64 kbps line between two Apple Internet Routers without a real X.25 network node in between?

Question 2:

Where should the calling address be configured?

I'm able to bring up level 1 and level 2, but virtual circuits are not being established because the packets do not contain the address of the origin (calling address).

I can easily configure the called/answered address in the PORT INFO window of the Internet Router Manager. By double-clicking on the X.25 (1) port access method, and in the field "Remote X.25 ID" to specify the X.25 address of the other Macintosh.

```
COPENHAGEN:  Call-mode      Remote X.25 := "2382XXXXXXXXXX"  No password
Aarhus:      Answer-mode   Remote X.25 := "2382XXXXXXXXXX"  No password
```

But I can't find a place to configure the calling/answering address (the address of the local Macintosh). I would expect it to be configured in MacX25 Admin, because the address is related to the allocated address of the Macintosh node on an X.25 network.

DISCUSSION -----

The calling DTE address is the address that your computer uses to identify itself when initiating an X.25 call. Almost all public and private X.25 networks automatically insert this address in the call packet. However, if you are connected to a network that does not do this, such as yours, you need to use the Router Tuner utility to enter this address.

The Router Tuner is distributed in the AppleTalk Internet Router Administrator's Toolkit (R0490LL/A) by APDA.

Though we aren't familiar with your requirements, you may not need to use the AppleTalk/X.25 Wide Area Extension at all. A direct asynchronous or synchronous serial connect at 64 kbps would be substantially more efficient because it would not be burdened by the additional X.25 protocol overhead.

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