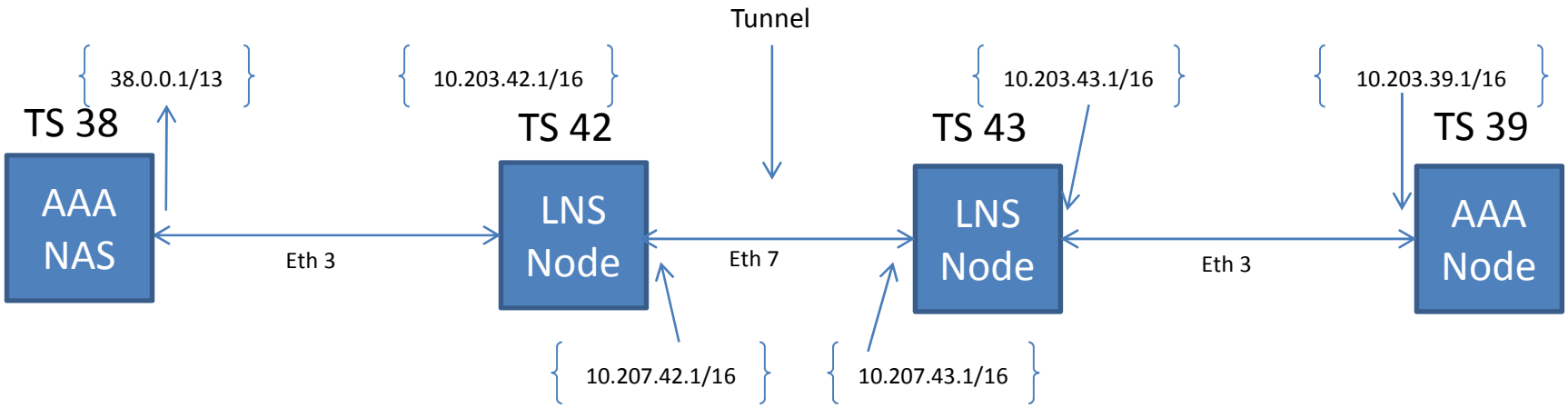
Landslide L2TP/IPsec

Spirent Global Services

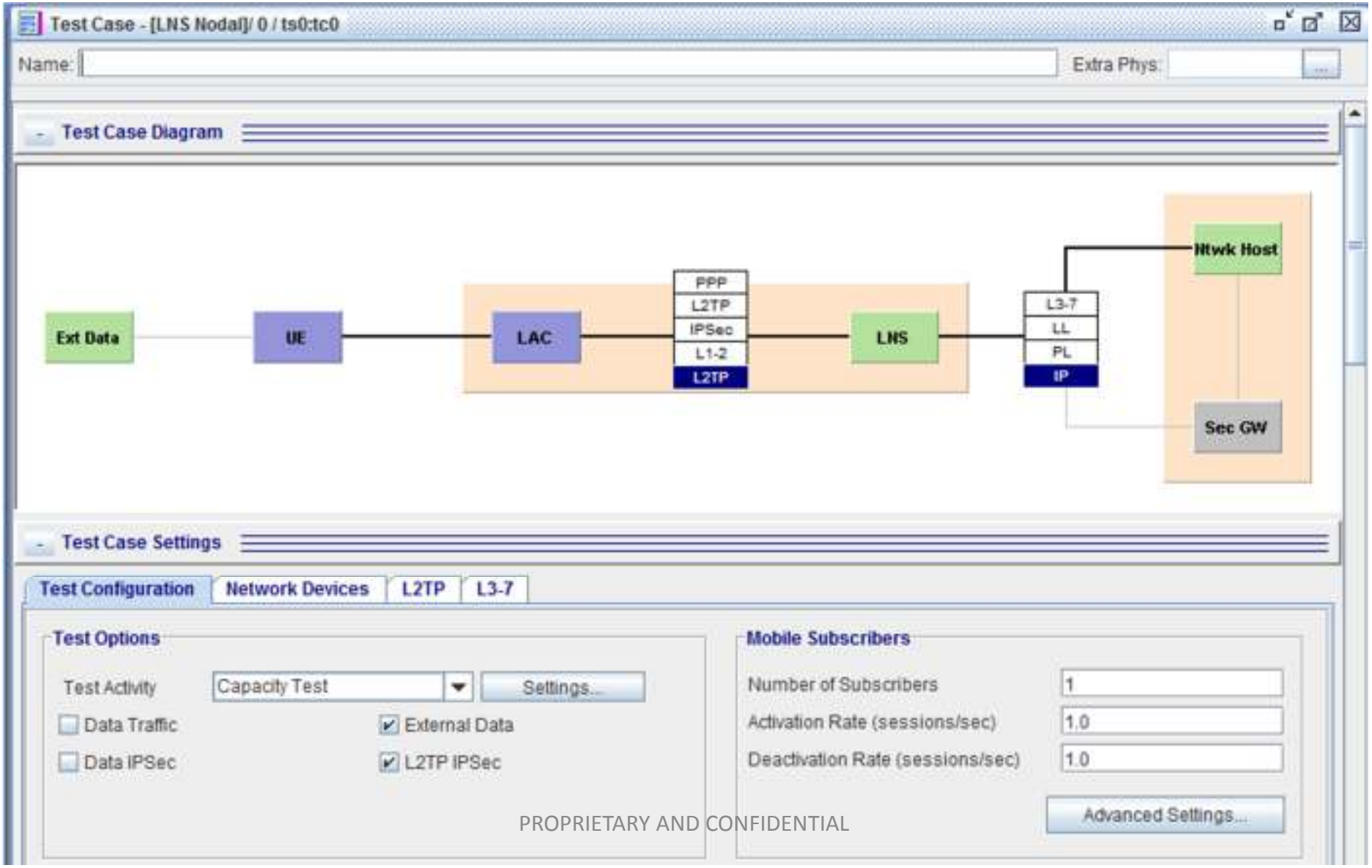
Landslide L2TP IPsec



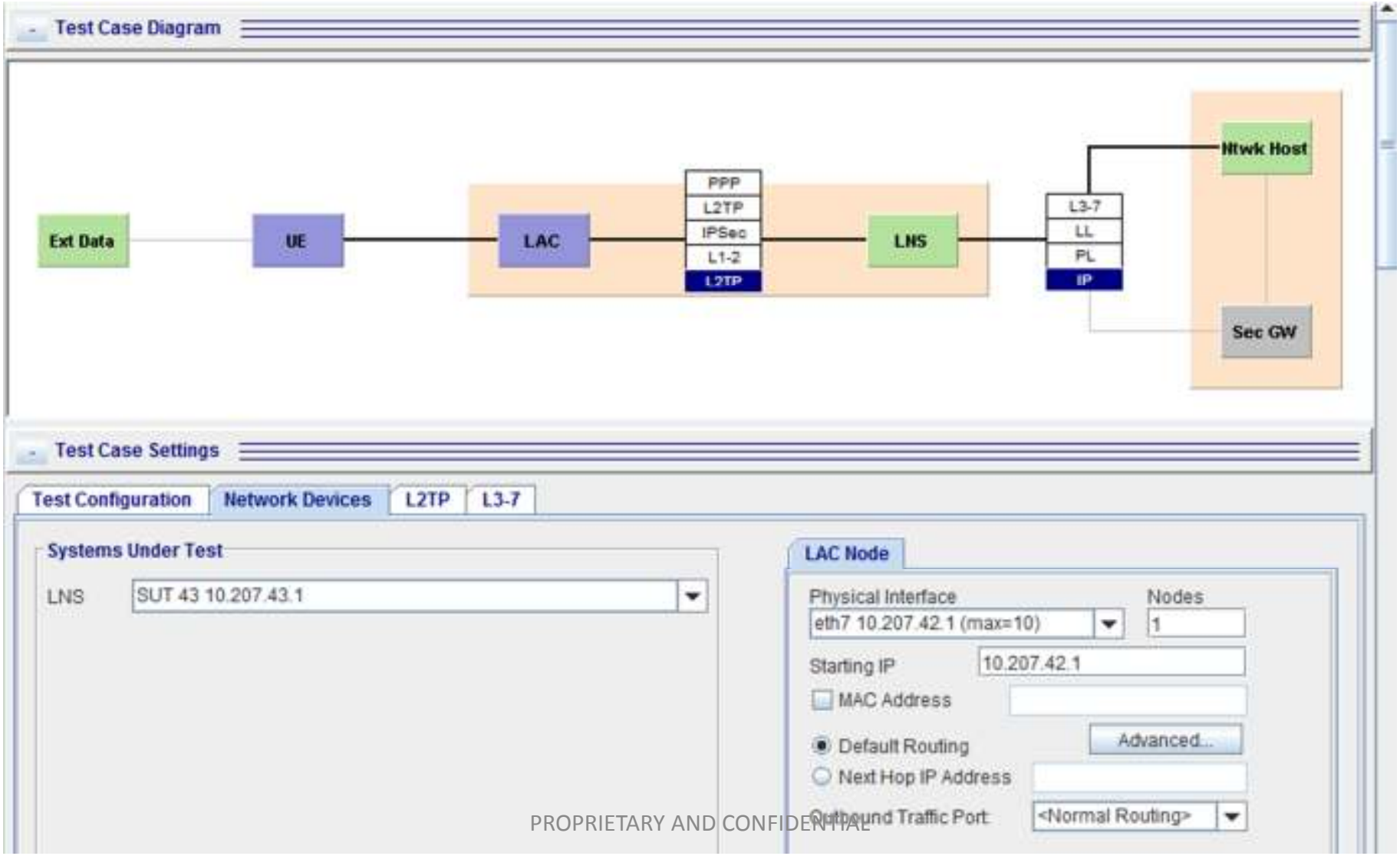
Test Server	SUT (System Under Test)	Physical	Ethernet Port
TS 38:	Accounting (10.203.39.1) Authentication (10.203.39.1)	38.0.0.1 (Next-hop 10.203.42.1)	Eth3
TS 42:	10.207.43.1	10.207.42.1 Remote Network Host = 10.203.39.1	Eth 7
TS 43:	10.207.42.1	10.207.43.1 IP Address Pool (38.0.0.1)	Eth 7
TS 39	NA	10.203.39.1 (Next-hop 10.203.43.1)	Eth 3

LNS Nodal

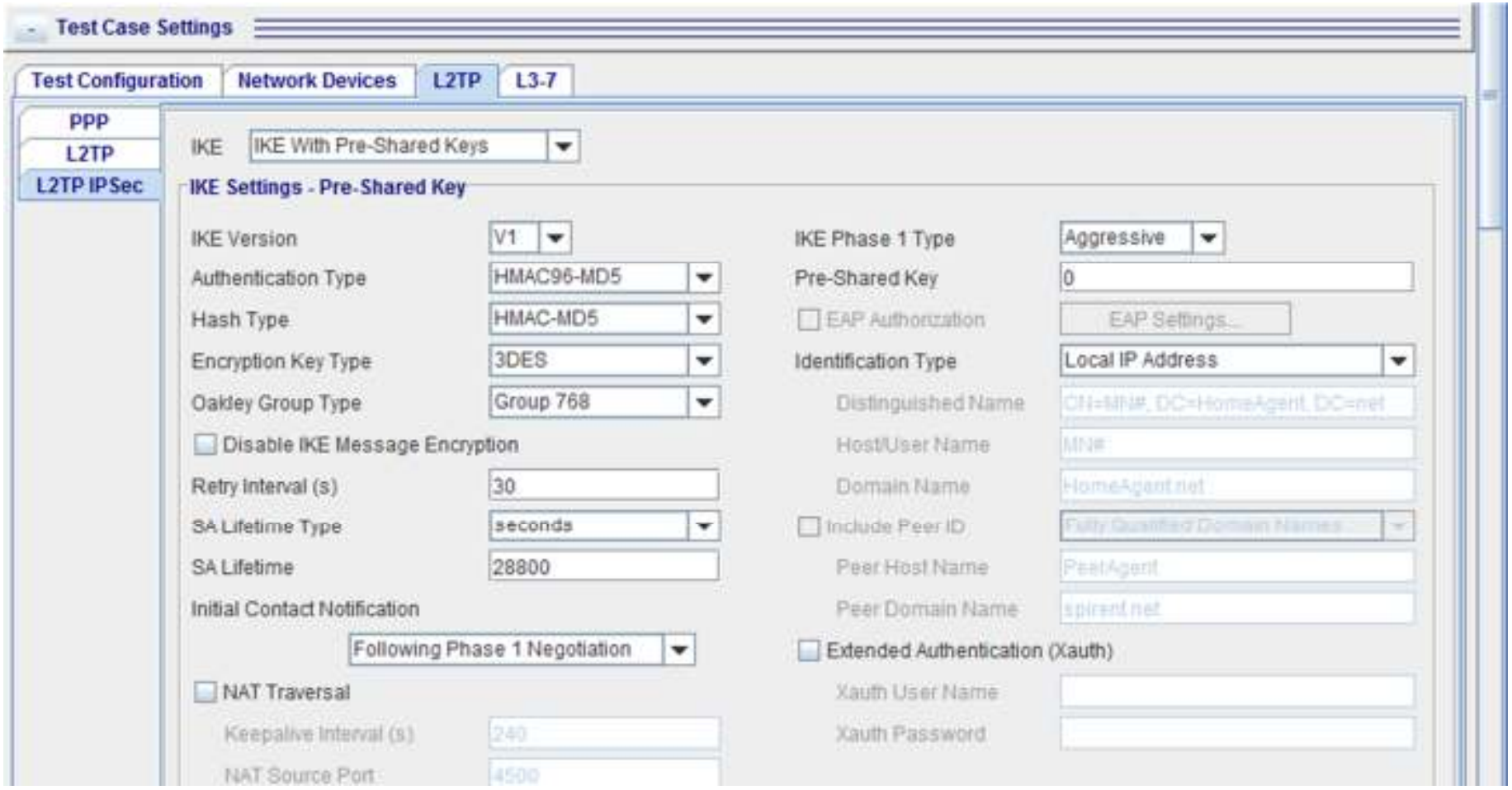
LNS Nodal Configuration (Test Configuration)



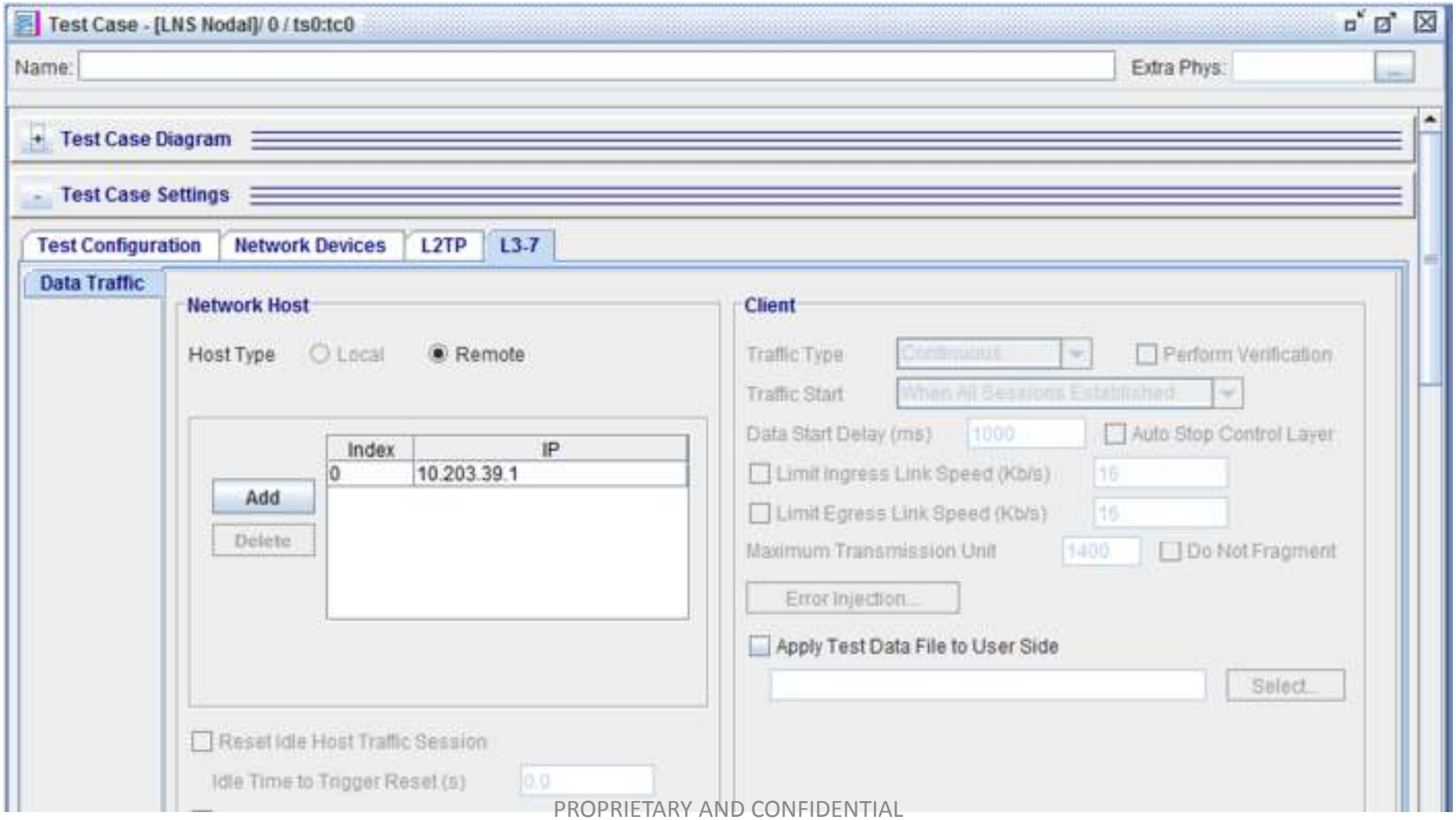
LNS Nodal Configuration (Network Devices)



LNS Nodal Configuration (L2TP: L2TP IPsec)

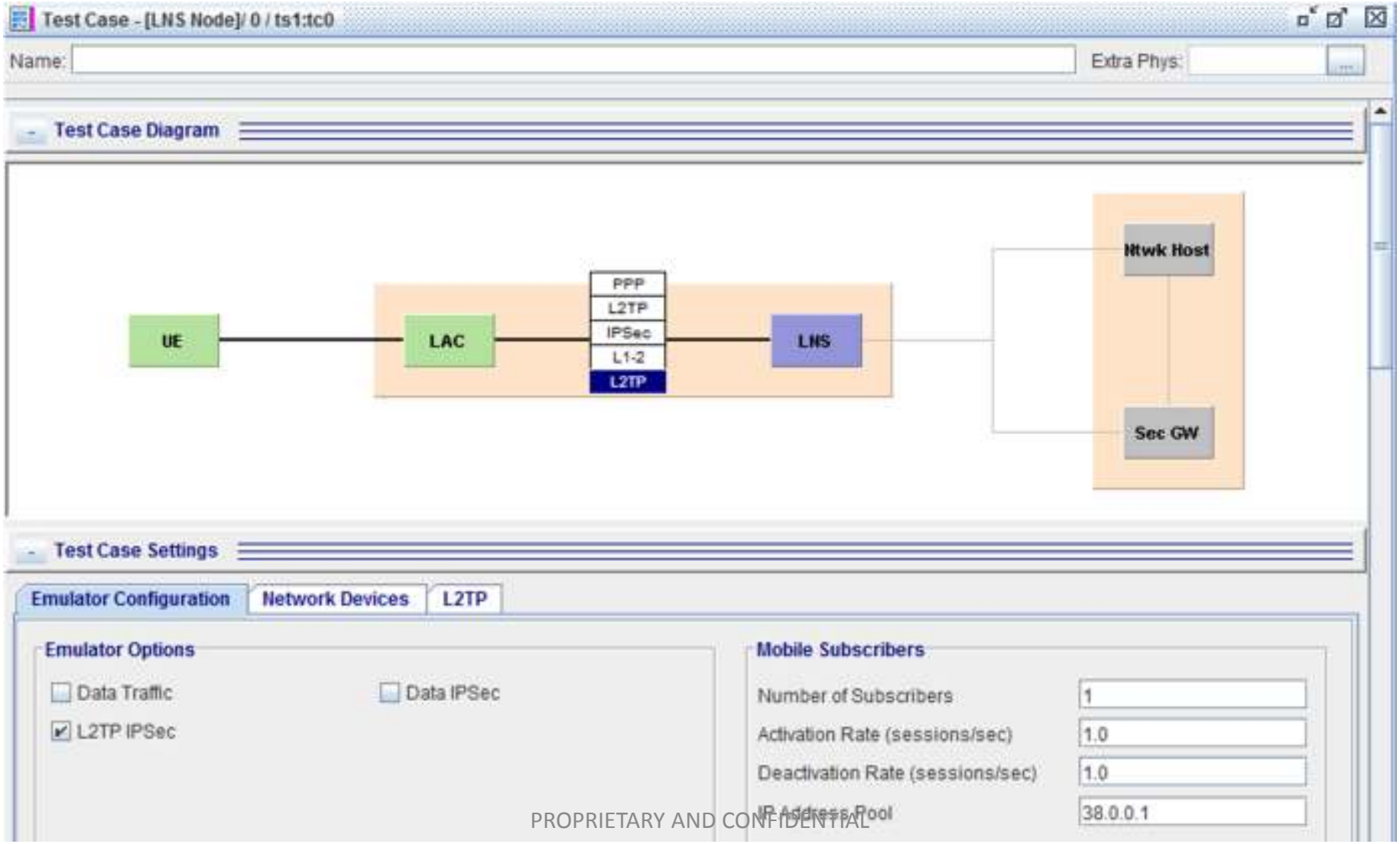


LNS Nodal Configuration (L3 – L7: Data Traffic)

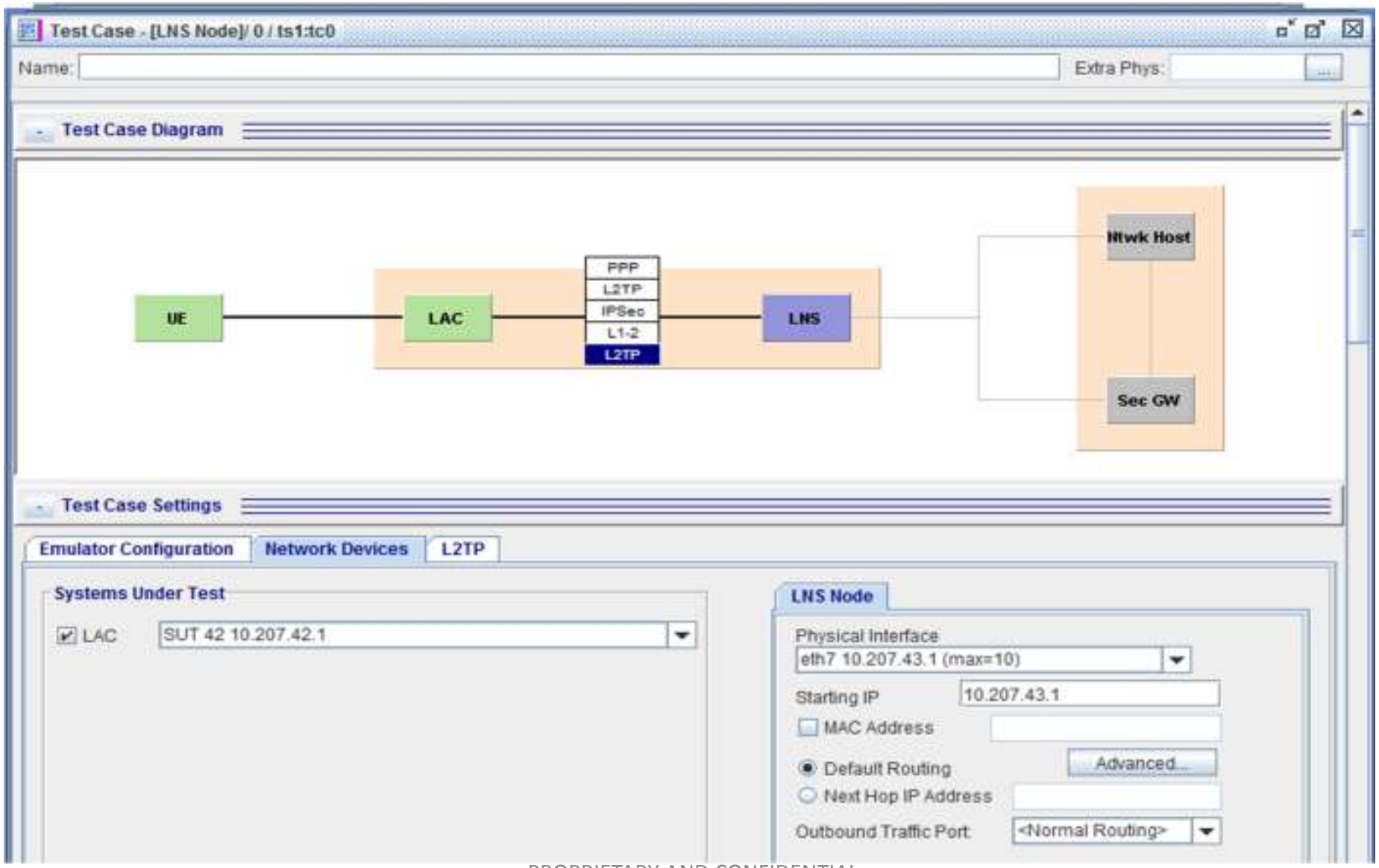


LNS Node

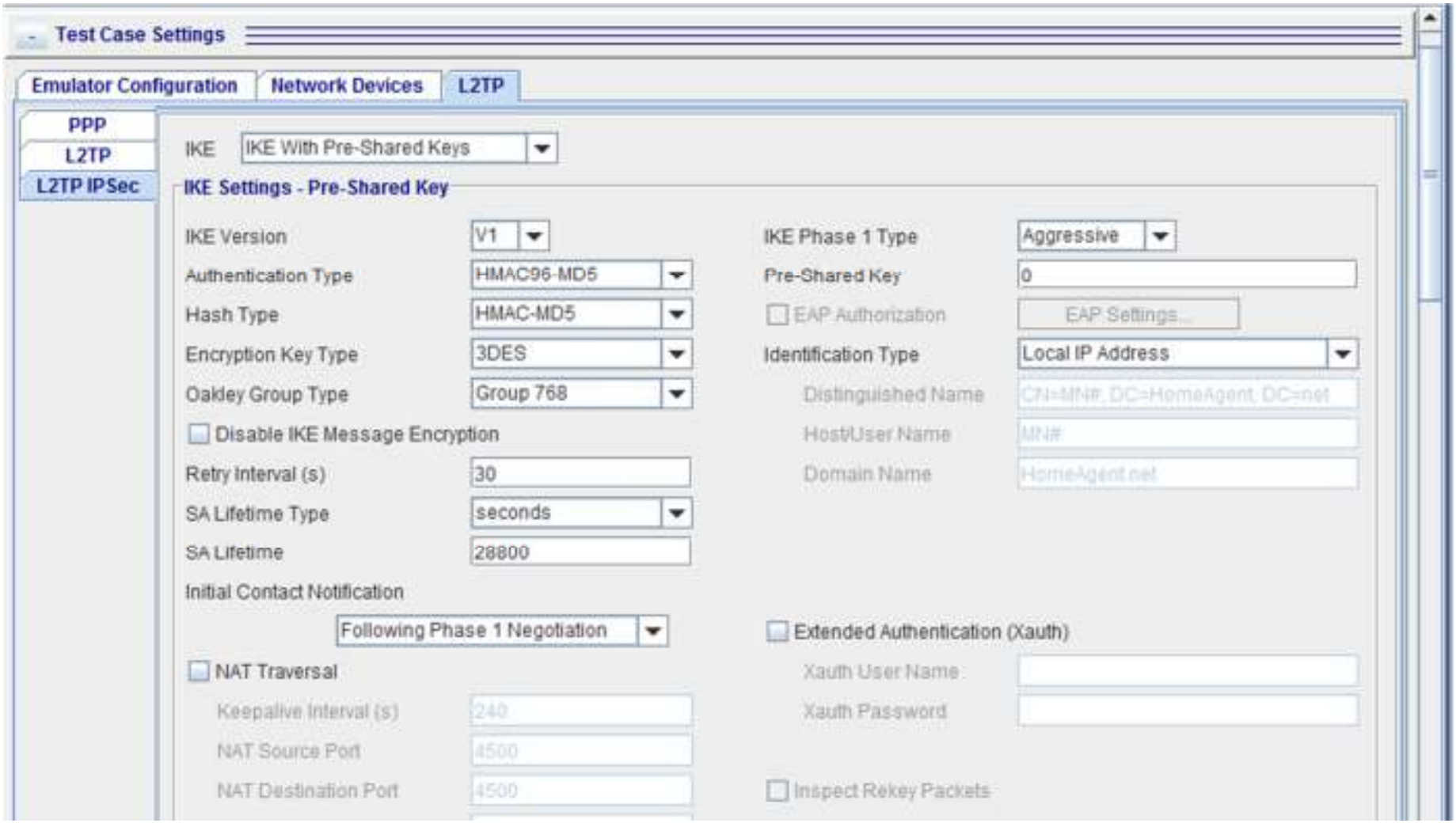
LNS Node Configuration (Emulator Configuration)



LNS Node Configuration (Network Devices)



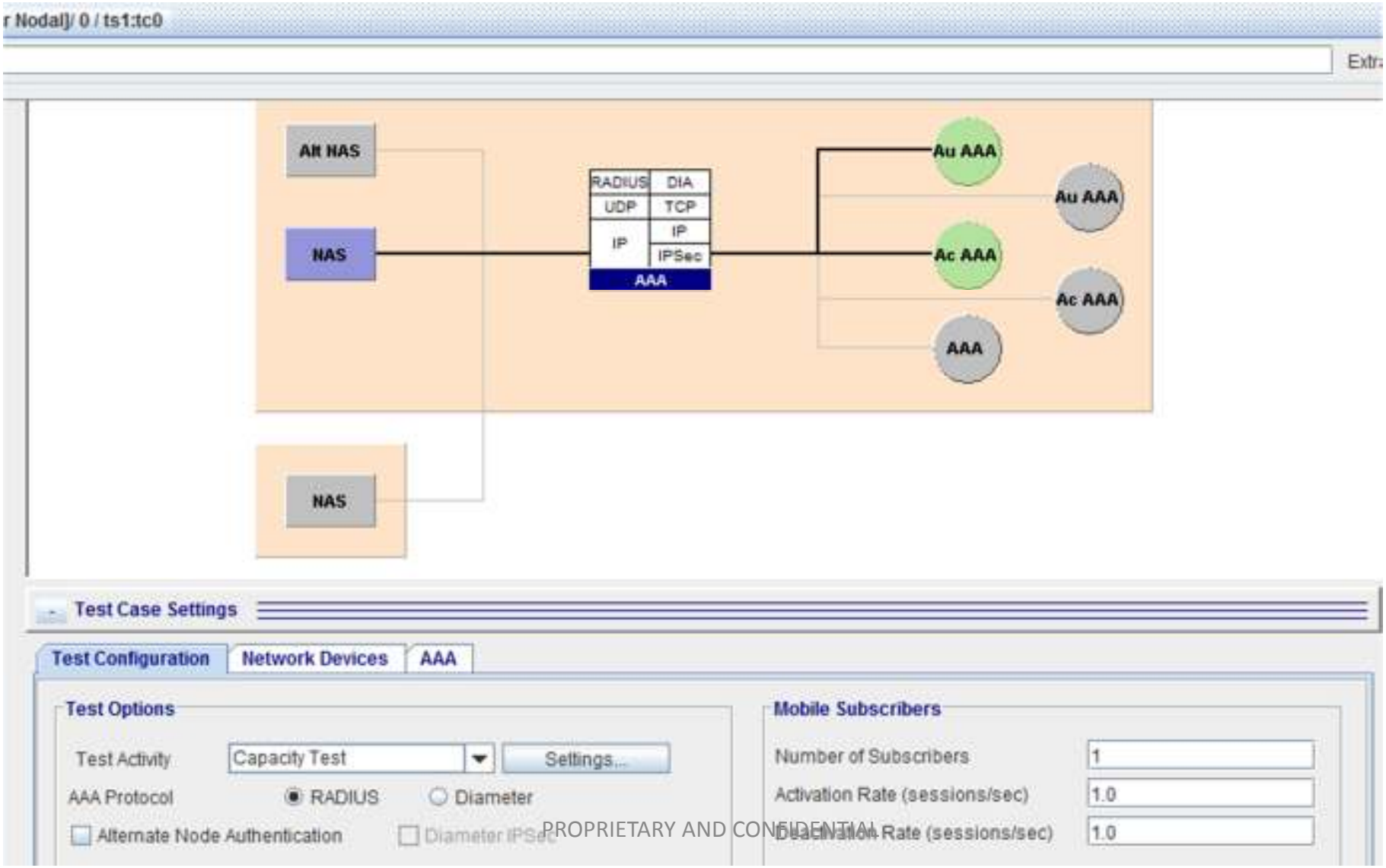
LNS Node Configuration (L2TP: L2TP IPsec)



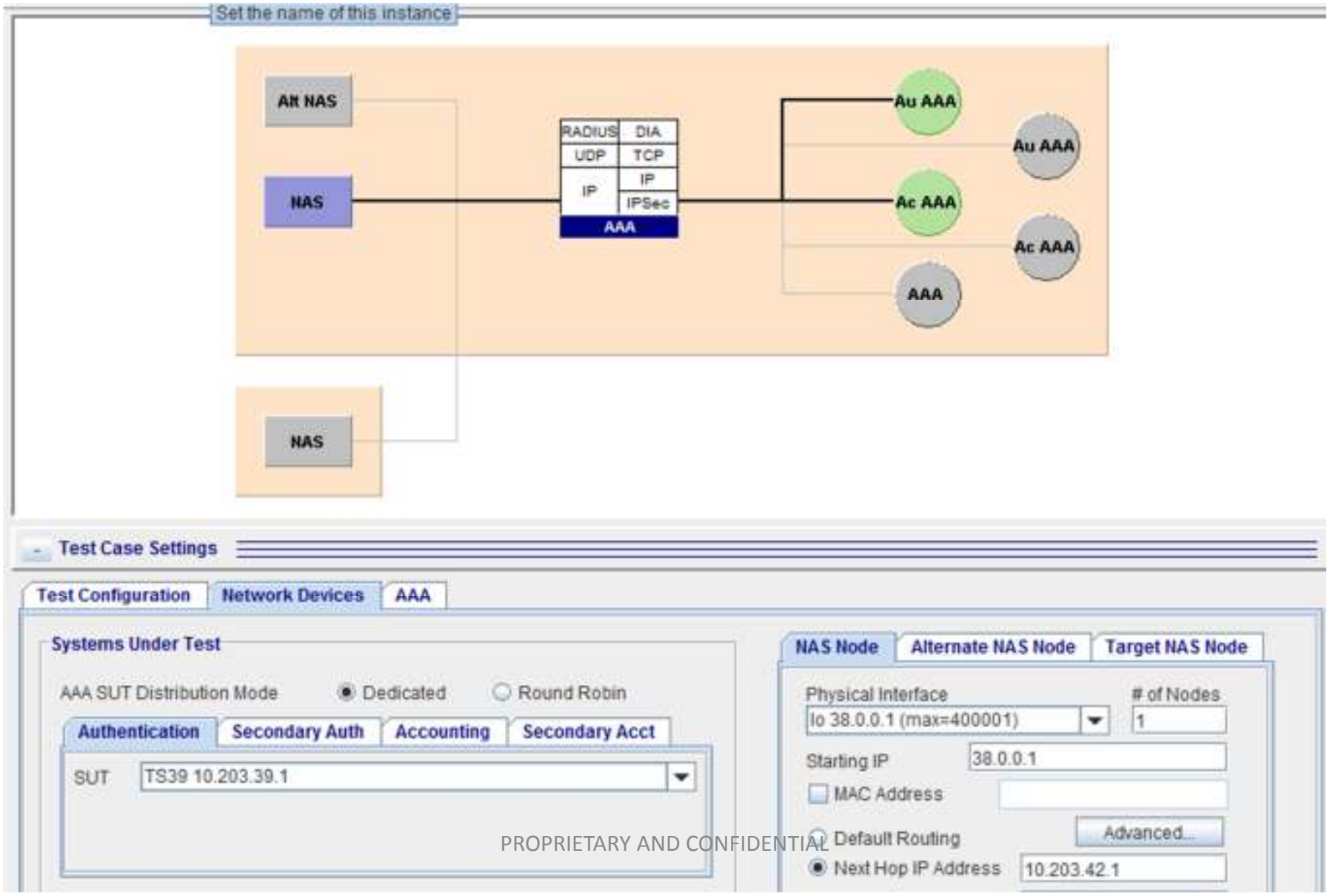
Appendix – AAA Node/Nodal Configuration

AAA NAS

AAA NAS (Test Configuration)

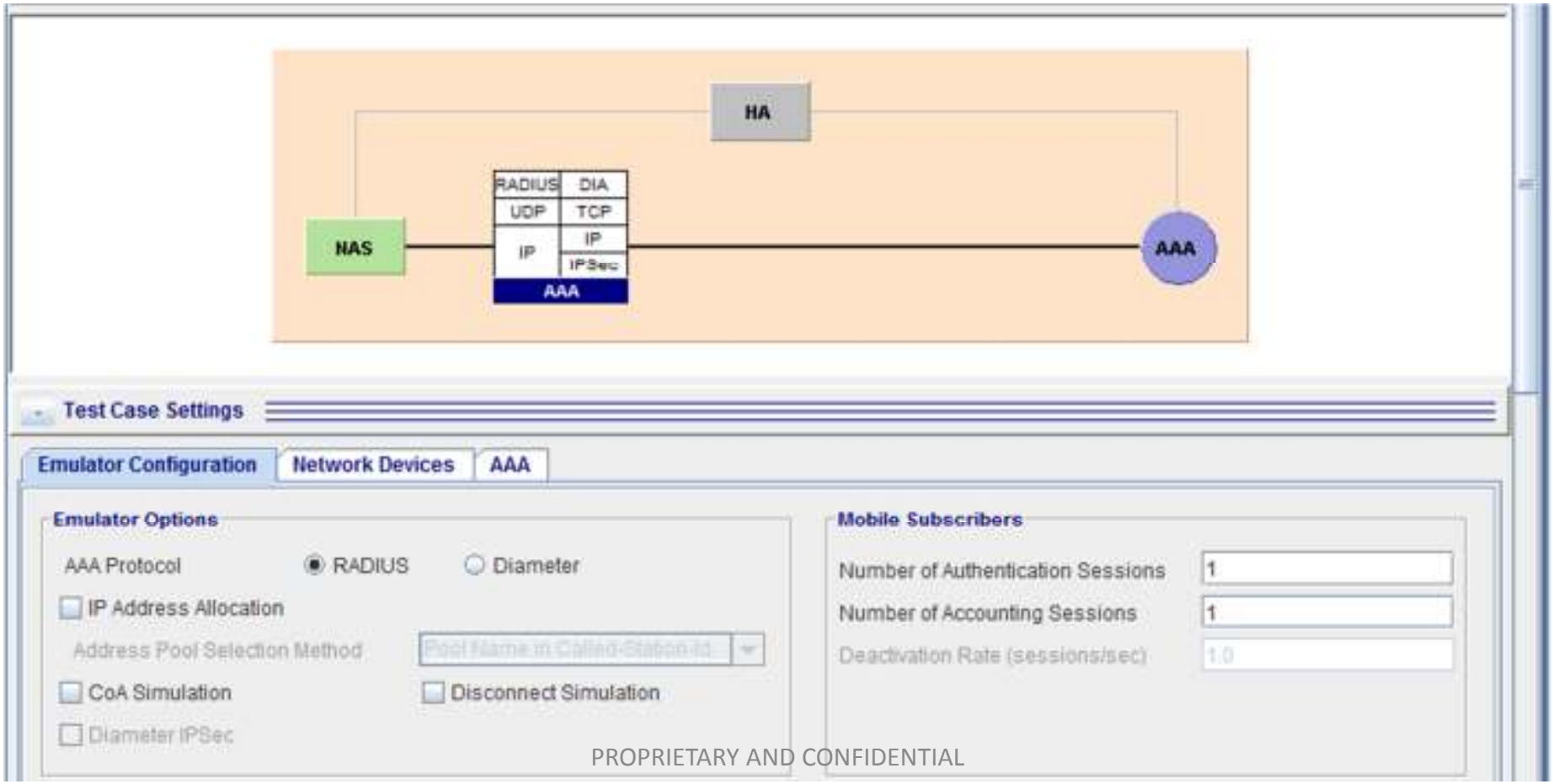


AAA NAS (Network Devices)

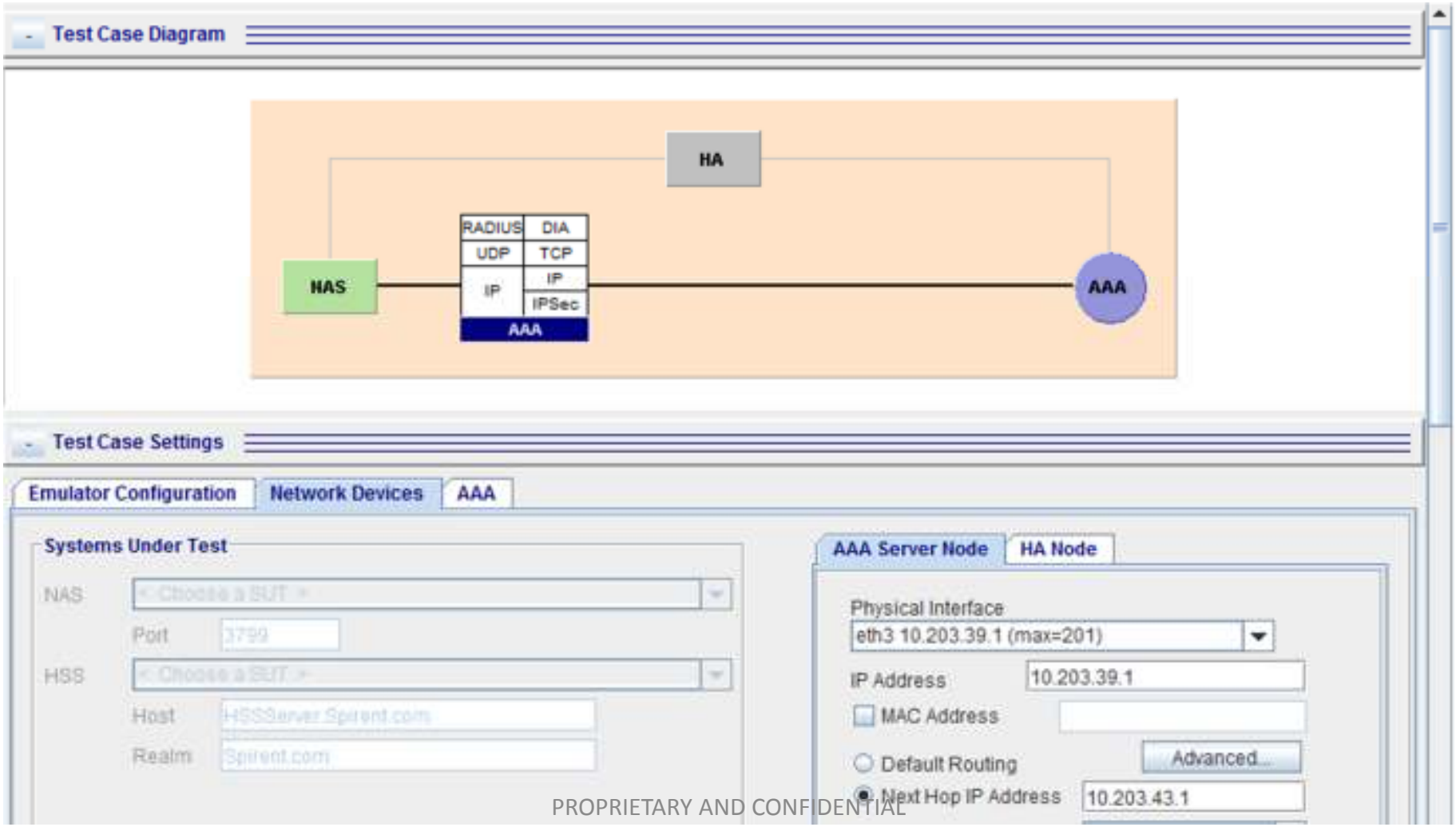


AAA Node

AAA Node (Emulator Configuration)

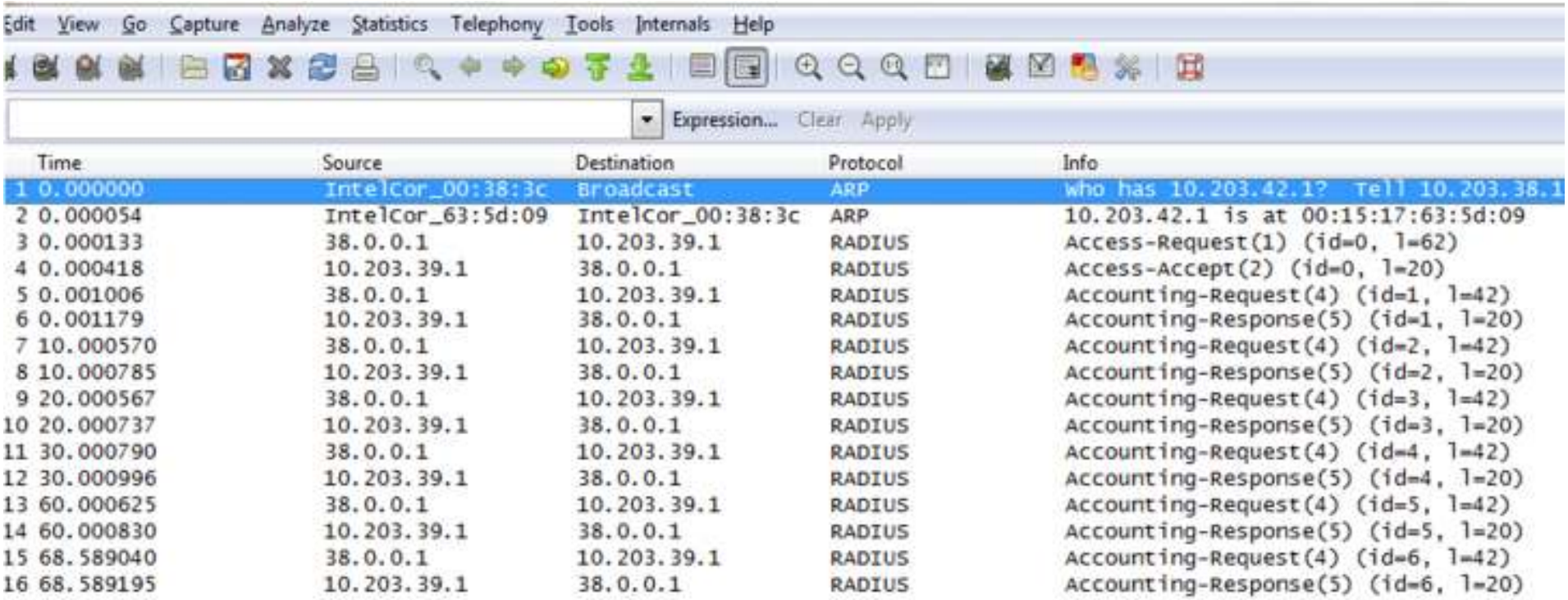


AAA Node (Network Devices)



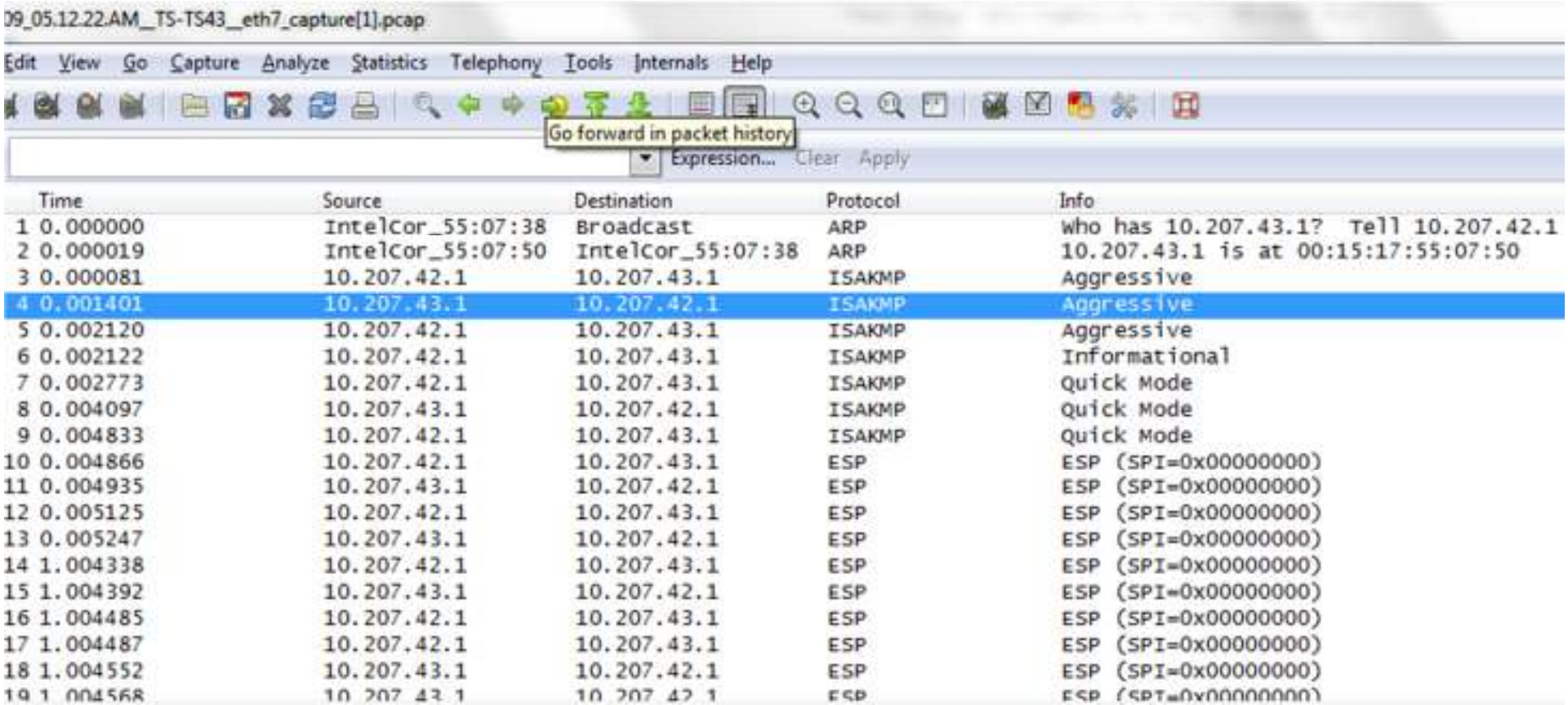
Wireshark Traces

Eth3 Interface (Radius): TS 38 – TS 42



	Time	Source	Destination	Protocol	Info
1	0.000000	IntelCor_00:38:3c	Broadcast	ARP	who has 10.203.42.1? Tell 10.203.38.1
2	0.000054	IntelCor_63:5d:09	IntelCor_00:38:3c	ARP	10.203.42.1 is at 00:15:17:63:5d:09
3	0.000133	38.0.0.1	10.203.39.1	RADIUS	Access-Request(1) (id=0, l=62)
4	0.000418	10.203.39.1	38.0.0.1	RADIUS	Access-Accept(2) (id=0, l=20)
5	0.001006	38.0.0.1	10.203.39.1	RADIUS	Accounting-Request(4) (id=1, l=42)
6	0.001179	10.203.39.1	38.0.0.1	RADIUS	Accounting-Response(5) (id=1, l=20)
7	10.000570	38.0.0.1	10.203.39.1	RADIUS	Accounting-Request(4) (id=2, l=42)
8	10.000785	10.203.39.1	38.0.0.1	RADIUS	Accounting-Response(5) (id=2, l=20)
9	20.000567	38.0.0.1	10.203.39.1	RADIUS	Accounting-Request(4) (id=3, l=42)
10	20.000737	10.203.39.1	38.0.0.1	RADIUS	Accounting-Response(5) (id=3, l=20)
11	30.000790	38.0.0.1	10.203.39.1	RADIUS	Accounting-Request(4) (id=4, l=42)
12	30.000996	10.203.39.1	38.0.0.1	RADIUS	Accounting-Response(5) (id=4, l=20)
13	60.000625	38.0.0.1	10.203.39.1	RADIUS	Accounting-Request(4) (id=5, l=42)
14	60.000830	10.203.39.1	38.0.0.1	RADIUS	Accounting-Response(5) (id=5, l=20)
15	68.589040	38.0.0.1	10.203.39.1	RADIUS	Accounting-Request(4) (id=6, l=42)
16	68.589195	10.203.39.1	38.0.0.1	RADIUS	Accounting-Response(5) (id=6, l=20)

Eth7 Interface (L2TP IPsec): TS 42 – TS 43



	Time	Source	Destination	Protocol	Info
1	0.000000	IntelCor_55:07:38	Broadcast	ARP	Who has 10.207.43.1? Tell 10.207.42.1
2	0.000019	IntelCor_55:07:50	IntelCor_55:07:38	ARP	10.207.43.1 is at 00:15:17:55:07:50
3	0.000081	10.207.42.1	10.207.43.1	ISAKMP	Aggressive
4	0.001401	10.207.43.1	10.207.42.1	ISAKMP	Aggressive
5	0.002120	10.207.42.1	10.207.43.1	ISAKMP	Aggressive
6	0.002122	10.207.42.1	10.207.43.1	ISAKMP	Informational
7	0.002773	10.207.42.1	10.207.43.1	ISAKMP	Quick Mode
8	0.004097	10.207.43.1	10.207.42.1	ISAKMP	Quick Mode
9	0.004833	10.207.42.1	10.207.43.1	ISAKMP	Quick Mode
10	0.004866	10.207.42.1	10.207.43.1	ESP	ESP (SPI=0x00000000)
11	0.004935	10.207.43.1	10.207.42.1	ESP	ESP (SPI=0x00000000)
12	0.005125	10.207.42.1	10.207.43.1	ESP	ESP (SPI=0x00000000)
13	0.005247	10.207.43.1	10.207.42.1	ESP	ESP (SPI=0x00000000)
14	1.004338	10.207.42.1	10.207.43.1	ESP	ESP (SPI=0x00000000)
15	1.004392	10.207.43.1	10.207.42.1	ESP	ESP (SPI=0x00000000)
16	1.004485	10.207.42.1	10.207.43.1	ESP	ESP (SPI=0x00000000)
17	1.004487	10.207.42.1	10.207.43.1	ESP	ESP (SPI=0x00000000)
18	1.004552	10.207.43.1	10.207.42.1	ESP	ESP (SPI=0x00000000)
19	1.004568	10.207.43.1	10.207.42.1	ESP	ESP (SPI=0x00000000)

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