ATM Multi-Services Switching System TTA Verified

: Performance (Throughput, Aging)

(NEtwork Testing Team)

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			– Zero-loss throughput ➔ Throughput
			• /
			•
			– Throughput
			· 60 ➔ 60
			· 3 ➔ 3
			· Final Result
			– Aging
			· 8 ➔ 72
			· Final Result

1.

- ■ Performance
  - ✓ Throughput
  - ✓ Aging

2.

RFC 3116   TTA   .

- ■ RFC3116, 2.8
  - ✓ The IP PDU sizes that will be used are 44, 64, 128, 256, 1024, 1518, 2048, 4472, 9180 bytes

- ■ TTA
  - ✓ Throughput
  - ✓ Aging

3.

- ■ Throughput
  - ✓ Test PDU Sizes : 64, 128, 256, 1024, 1518, 2048, 4472, 9180 bytes
  - ✓ Test Duration / iteration : 60
  - ✓ Total Iteration : 3
  - ✓ Final Result :   3

- ■ Aging
  - ✓ Test Frame Sizes : 44- and 9180 bytes
  - ✓ Test Load : Throughput   load
  - ✓ Test Duration / iteration : 72
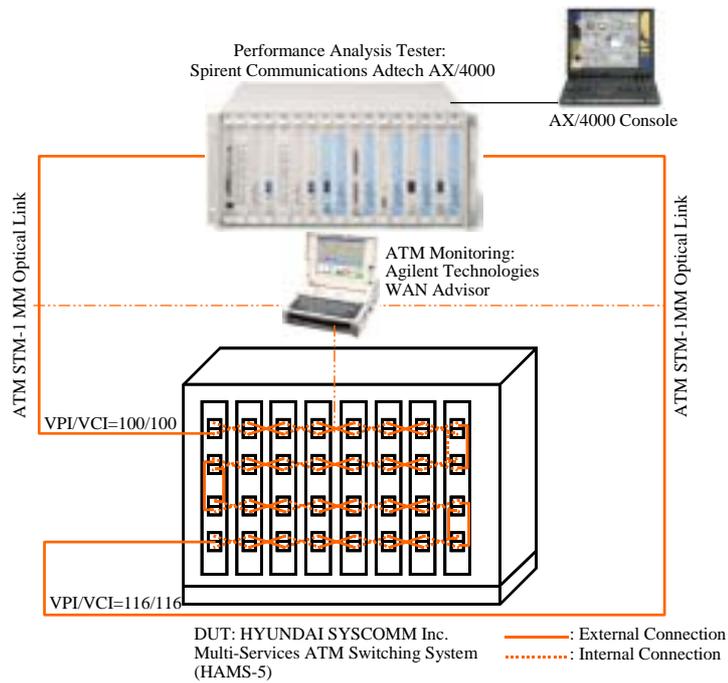 - ✓ Total Iteration : 1
  - ✓ Final Result :   72

4.

- ■ **Throughput**
  - ✓   PDU Size   100%
- ■ **Aging**

✓   72   Frame loss, Down, Under/Over size error, CRC (cyclic redundant check) error, CLR (cell loss rate), CMR (cell misinsertion ratio)

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5.

Performance Analysis Tester:
Spirent Communications Adtech AX/4000

AX/4000 Console

ATM Monitoring:
Agilent Technologies
WAN Advisor

ATM STM-1 MM Optical Link

ATM STM-1MM Optical Link

VPI/VCI=100/100

VPI/VCI=116/116

DUT: HYUNDAI SYSCOMM Inc.   ────── : External Connection
Multi-Services ATM Switching System   ·········· : Internal Connection
(HAMS-5)

6.

ATM Switching System
Zero-loss Throughput, Aging
(TTA-V-N-XX-XXX)