

























| Small buffer's throughput is<br>larger than traditional buffer's one Small buffer's throughput is<br>less than traditional buffer's one   Fast Edge Network: |  |        |        |        |        |
|--|--|--------|--------|--------|--------|
| ICP throughput detail  |  |        |        |        |        |
|  |  |        |        |        |        |
| • TCP throughput for different # of link hops  |  |        |        |        |        |
| Don't traverse the core network Traverse the core r  |  |        |        |        | etwork |
| buffer   | 4 hops   | 6 hops | 7 hops | 8 hops | 9 hops |
| small  | 160.32   | 67.33  | 3.29   | 2.41   | 2.15   |
| traditional  | 141.94   | 47.04  | 7.10   | 3.33   | 2.32   |
| • TCP that don't traverse the core network dispossess<br>of throughput of TCP that traverse the core network in<br>the edge network                          |  |        |        |        |        |
| Bu   | Buffer size of the core router should not be decreased |        |        |        |        |
| 19   | FINA-07  |        |        |        |        |

