

Trends and Hot Topics in Network Management

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Enterprise Management

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- **IT Management (1 staff member for 300-1000)**
 - Proprietary
 - Secure
 - Reliable
 - Controlled Cost
- **DC Management (1 staff member for 30-300 users)**
 - Protocol Oriented
 - Unreliable
 - SNMP Oriented
 - Hidden Cost
- **Telco (Voice) Management (1 staff member for 500-1000 users)**
 - Reliable
 - Proprietary
 - Free (Carrier's Mercy)

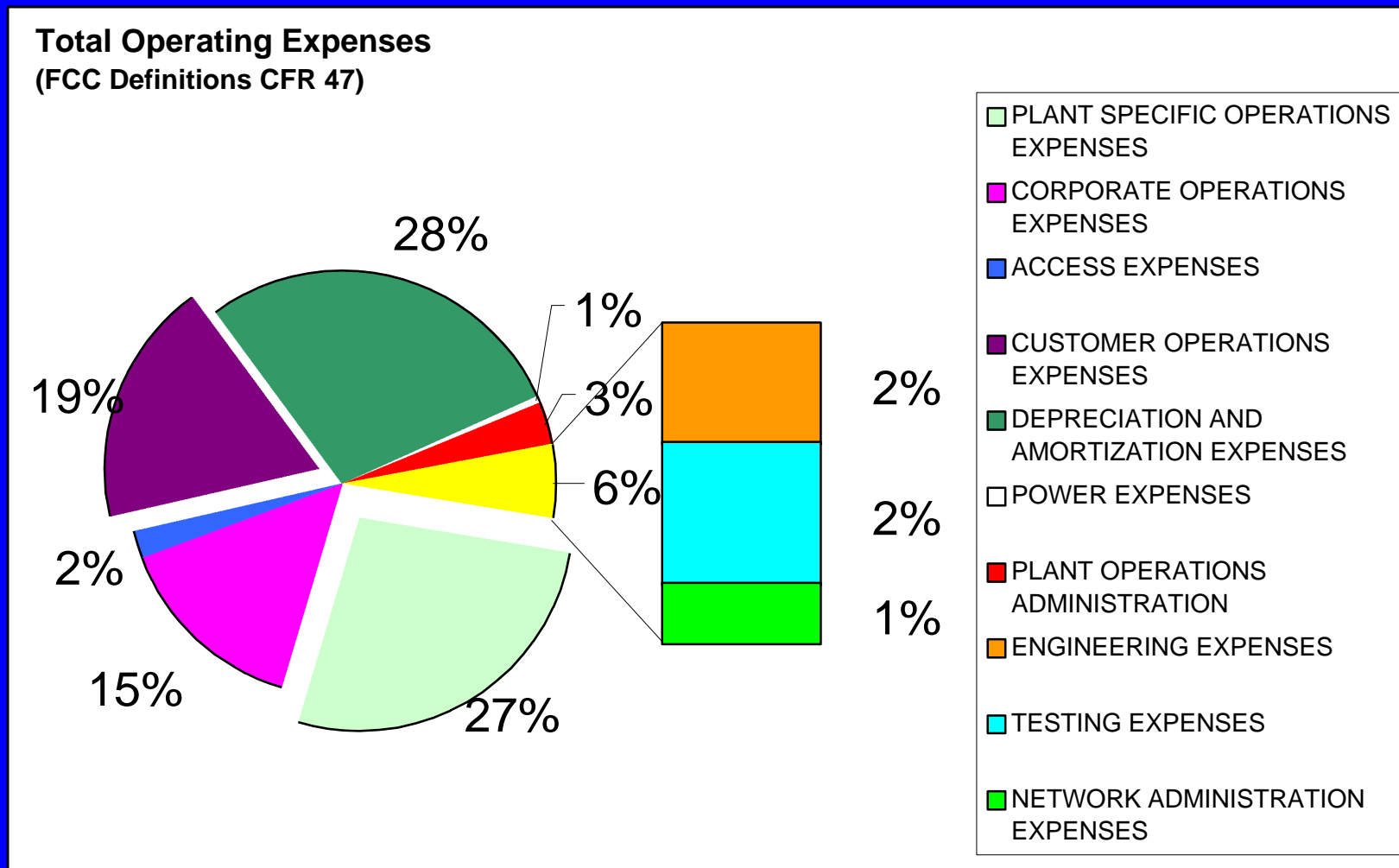
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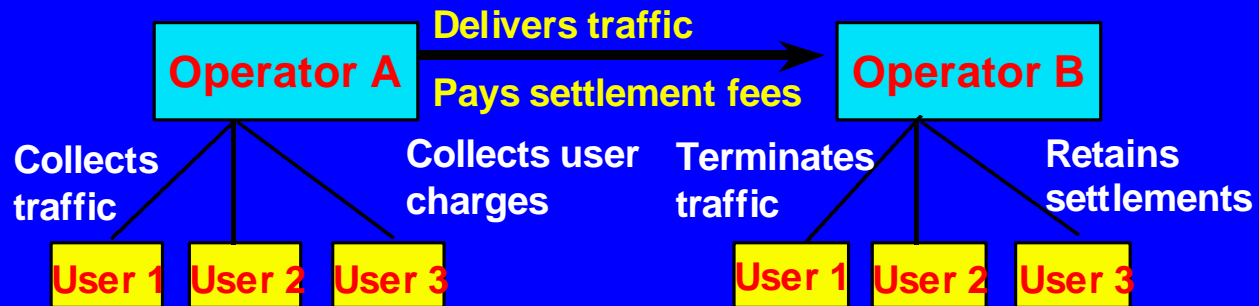


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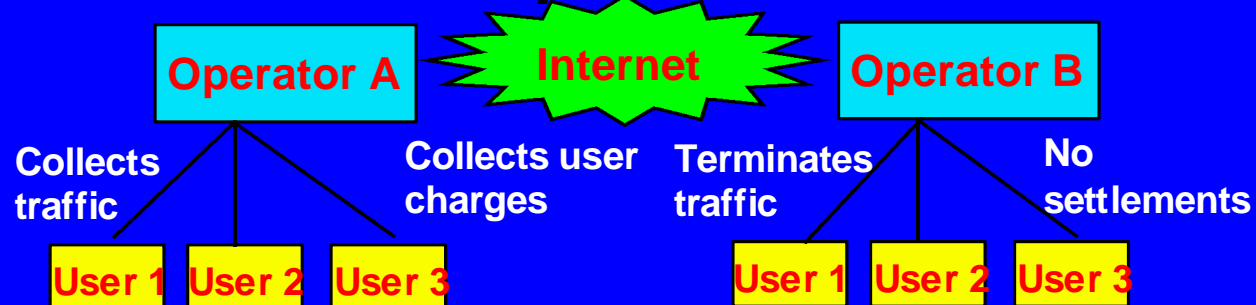
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Settlement-payment traffic



Sender-keeps-all traffic



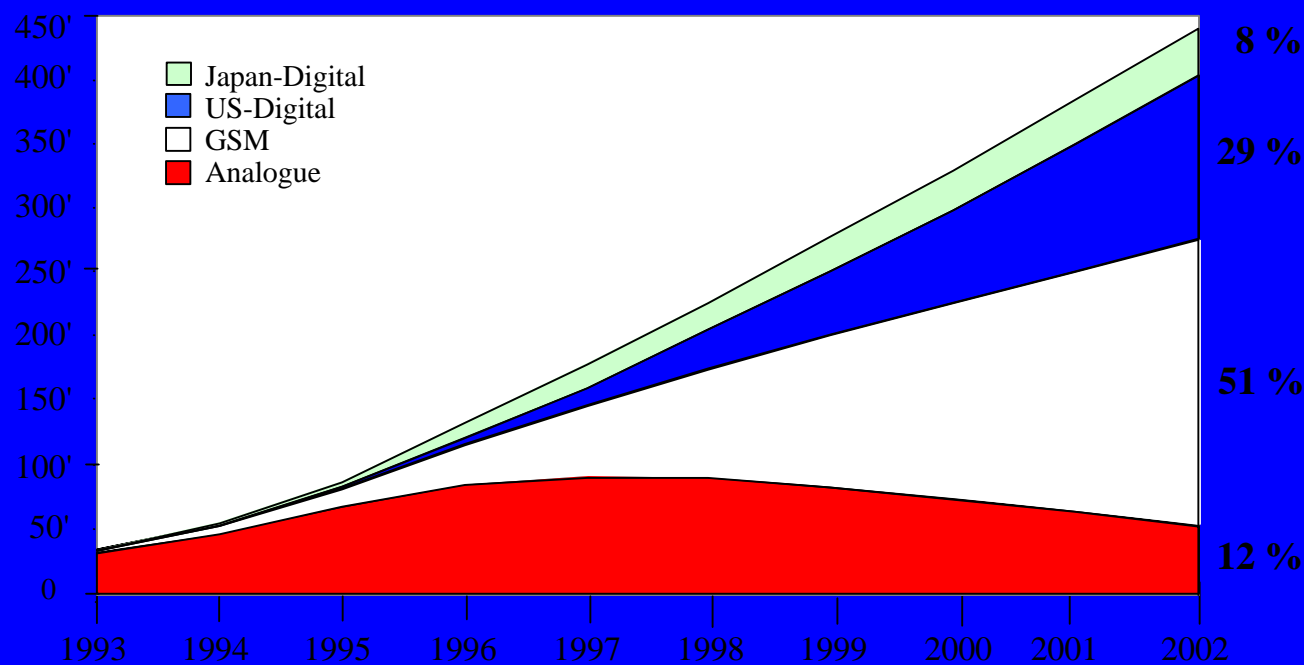
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Wireless Evolution

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1G

Main driver: Mobile
Traffic: voice
Competition: Limited
Cost: Prohibitive
Penetration: Niche Users

2G

Main driver: spectrum and cost reduction through digital

Traffic: voice+data

Competition: Increasing

Cost: Affordable

Penetration: Mass Market

3G

Main driver: Internet+spectrum
Traffic: Applications+Data+voice
Competition: High+Contents
Cost: no barrier
Penetration: everyone

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- In-building 2 Mb/s
- Neighborhood
 - Mobile - 384 kbps
 - Fixed - 2 Mb/s
- Wide-area 144 Kb/s

Thank You

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