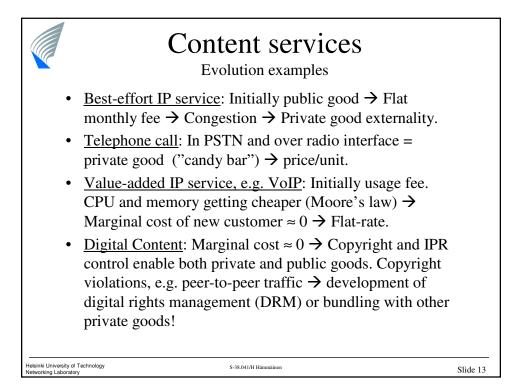
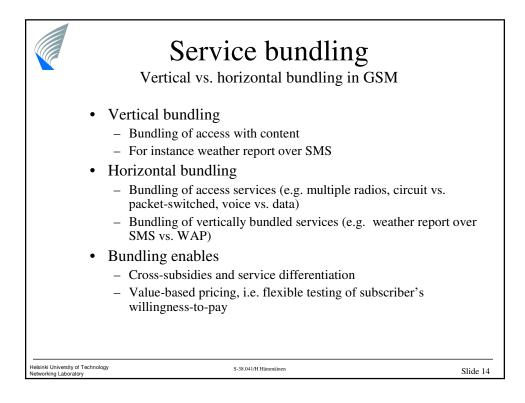
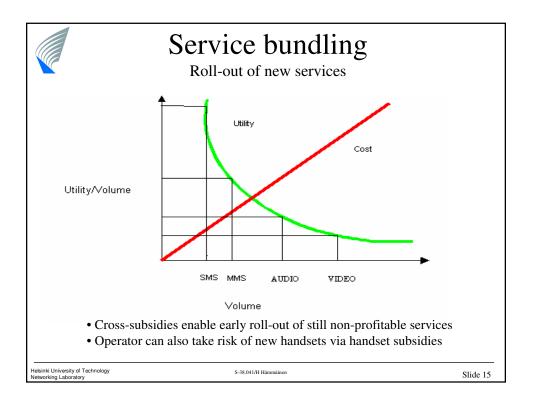
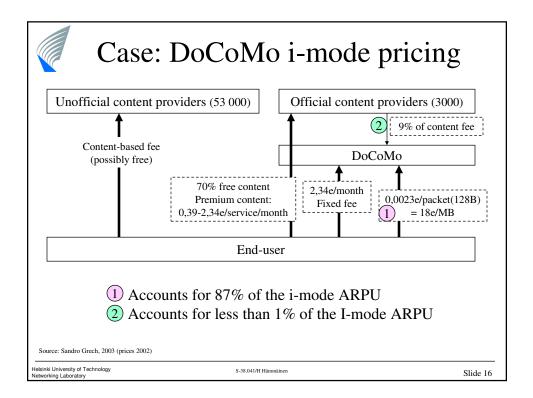


| Content services Private vs. public goods  |  |
|--|--|
| <ul> <li><u>Private good</u> (e.g. candy bar)</li> <li>You consume one, there is one less for others - <i>depletetable</i></li> <li>If consumed – no one else can - <i>excludable</i></li> <li>Marginal cost &gt; 0</li> <li>Price = marginal cost. Achieved on ideal market when supply = demand</li> </ul> | <ul> <li><u>Public good</u> (e.g. radio broadcast)</li> <li>Nondepletable – when used by one, the same amount is available to others.</li> <li>Nonexcludable – Use by one does not exclude others from using the good.</li> <li>Marginal cost ≈ 0</li> <li>Price ≈ 0 → fixed cost is not recovered → taxation, non-usage based fees</li> </ul> |











- Traditionally pricing is based on hardware capacity (e.g. switching centers, routers, base stations), which hides software R&D costs → pressure to price software
- Capacity pricing is adapted per type of capacity
  - GSM MSC switching capacity (number of simultaneous calls)
  - GSM HLR storage capacity (number of subscribers)
  - GSM BTS radio transmission capacity (number of TRXs)
  - IP router capacity (bits/sec, packets/sec, number of ports, etc)
  - Server transaction capacity (SMS/sec, locations/sec, etc)
- Growing exploitation of general purpose operating systems and hardware (e.g. Unix) in network elements is likely to gradually un-bundle the pricing of software and hardware

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