

BT Group Technology

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# ***Evolving Towards the IP Vision***

Steve Mecrow

*Evolving towards the IP vision*

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## **Goal**

- all services supported on IP
- no need for the circuit switched domain

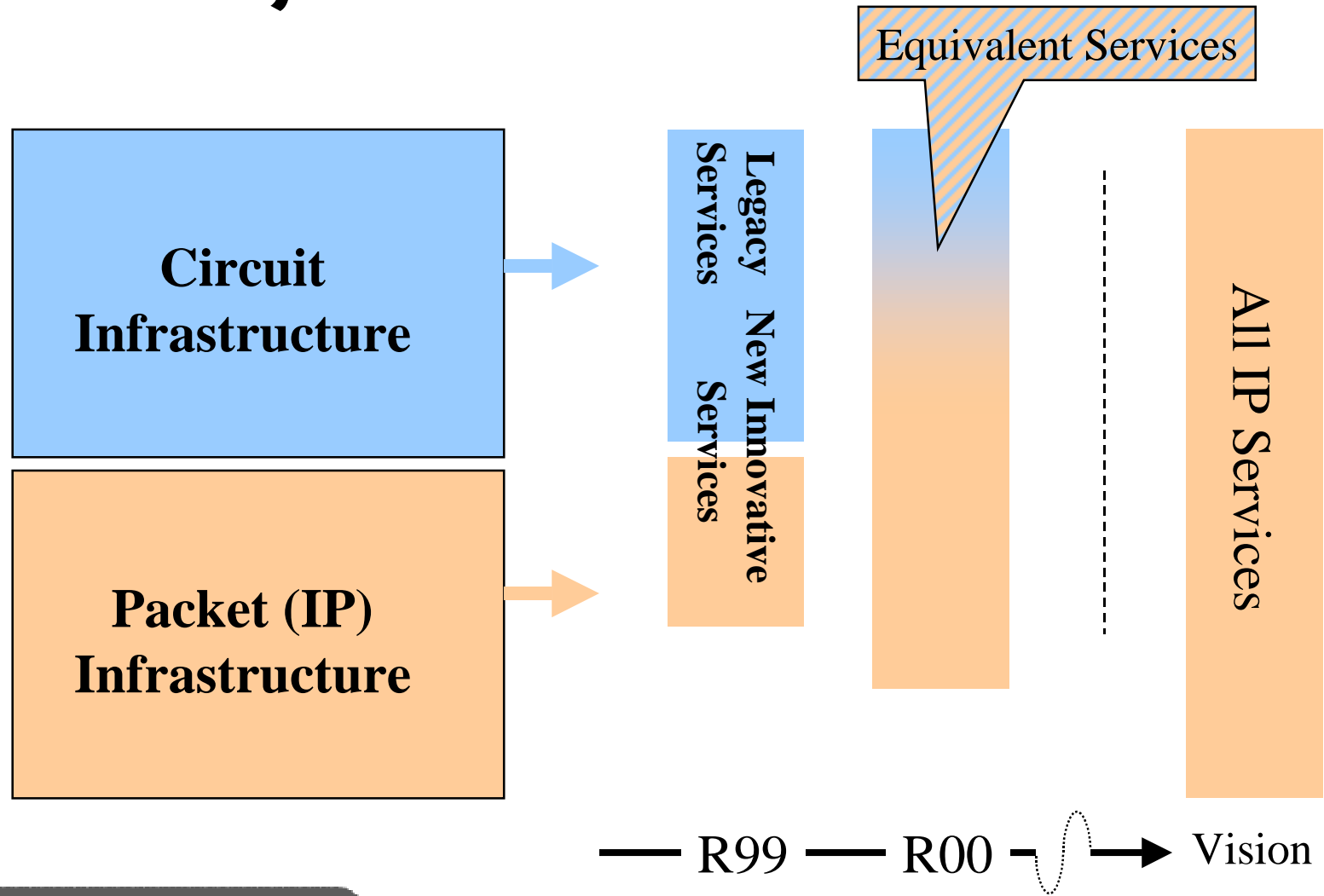
## **Phased Releases**

- early deployment of new services
- exploit and protect existing investment (2G, R99..)
  - specifications
  - infrastructure
  - customer base
- technology and standards need development
  - prioritise and do what is achievable for each release

# *Release 2000 Specifications*

- evolution of Release 99
- comprises Circuit and Packet Domains
  - circuit domain
    - existing investment
    - support of legacy services
  - packet domain
    - enables new innovative services
    - leads towards the all-IP vision
- enable deployment of packet domain only, *the “all-IP option”*

# Evolution of Services



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# *Release 2000 Services*

- legacy circuit switched services
- new innovative IP enabled services
  - real time
  - interactive
  - multi-media
- equivalent IP and circuit services
  - common functionality
  - potentially different implementation

# *Why an all-IP option in Rel 2000?*

- stimulate the multimedia market
- avoid excessive investment in CS technology
- minimize the future support needed for legacy terminals

Delays could result in other standards  
(3GPP2) getting there first!

# ***Key R2000 all-IP issues for 3GPP***

- Support for real-time Multi-media services
  - QoS including handover
- Solutions for efficient use of the radio interface
- Requirements for call control - H.323 or SIP?
- Relationship with circuit domain
  - service capabilities
  - handover and roaming scenarios - 2G and 3G
- Naming and Addressing
  - use of IP identities
- Hooks for other radio access (e.g. EDGE, LAN)
- Role of the VHE and OSA

# *Priorities for Release 2000 IP domain*

- *Set realistic and achievable goals for the December release*
- *Develop a clear cross-TSG work plan*
- *Establish strong links with other standards bodies (e.g. IETF)*
- *Focus upon enablers for new innovative multi-media services*
- *Establish interworking requirements for “equivalent” services*
- *Don't try to mimic circuit domain*



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***Thank you***

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