

3GPP "All-IP" vision

Long and short term

- Why all IP – What do we want to obtain ?
- How do we get there (phasing) ?
- What do 3GPP need to do ?
- Issues to be resolved
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Why all IP ?

What do we want to obtain ?

- Scalability
- Separation of Services, Control and Transport
- Independence of access type
 - Seamless services
 - Common Services development
 - Commonality between private and public networks
 - Potential for fixed mobile convergence

Why all IP ?

What do we want to obtain ?

- Quick Service creation
 - APIs to allow for third party applications
 - Gain from Internet Services
 - Gain from Intranet Services
 - Utilisation of Toolkits
- Multimedia services
- Global Roaming
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Why all IP ?

What do we want to obtain ?

- At least same level of security as R99
- Integrated O&M
- IP transport
- Lower cost versus performance through use of IP technology
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How do we get there ?

- Hybrid CS and PS network as intermediate step
- Ensure forward compatibility
- Ensure backward compatibility
- Service "transparency" across domains for common services
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How do we get there ?

- Support for charging and billing

What do 3GPP need to do ?

- Establishment of longer term architecture as part of R00
- Establishment of workplan for R00
- Establishment of detailed requirements
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What do 3GPP need to do ?

- Identify potential reuse of other bodies work
- Potentially co-operate with other bodies
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Issues to be resolved

- Which Mobility Management model(s)
- Which Call Control model (H.323, SIP, ... ?)
- IP version to use – IPv6 ?

Issues to be resolved